

FIG. 1

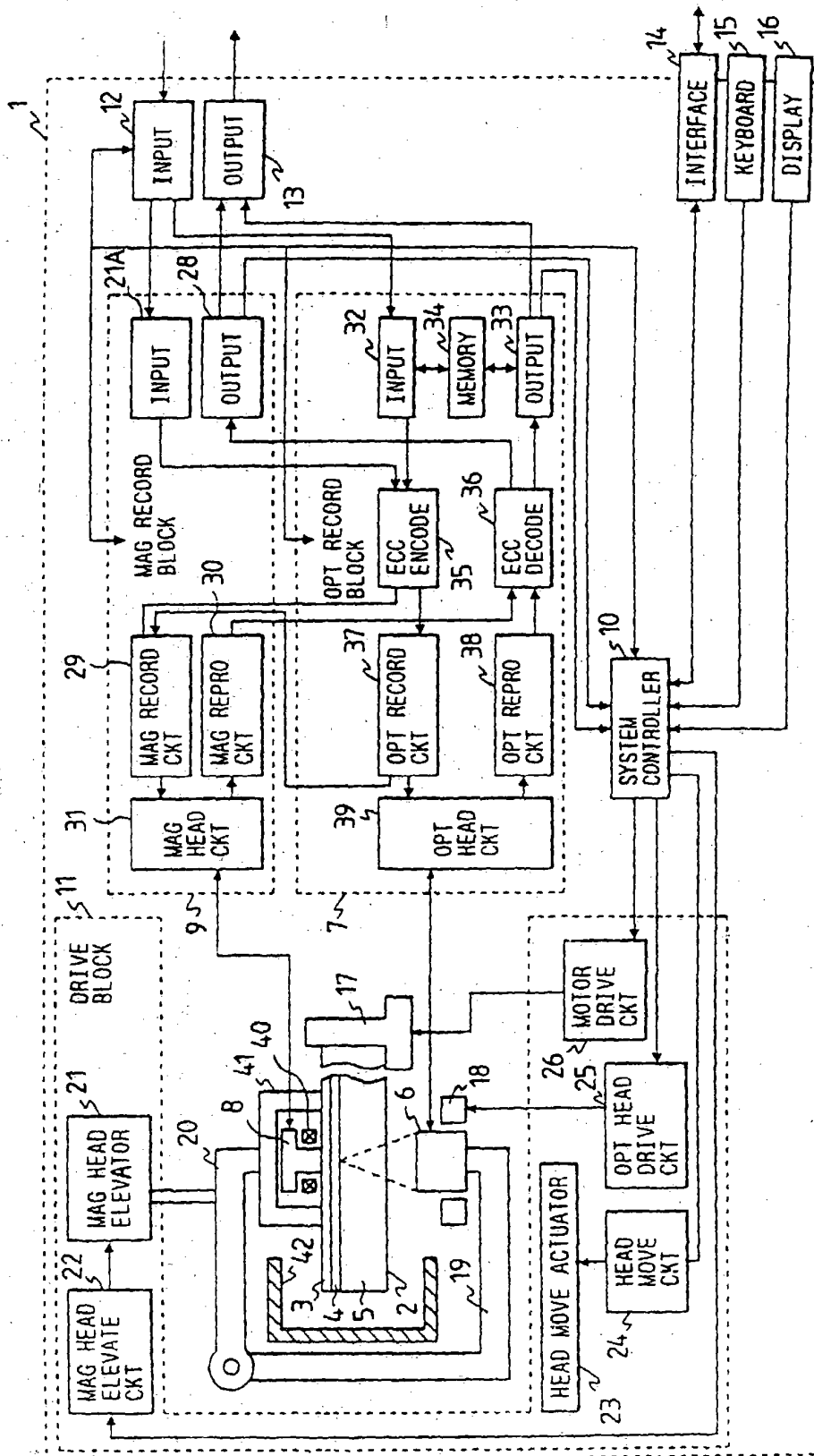


FIG. 2

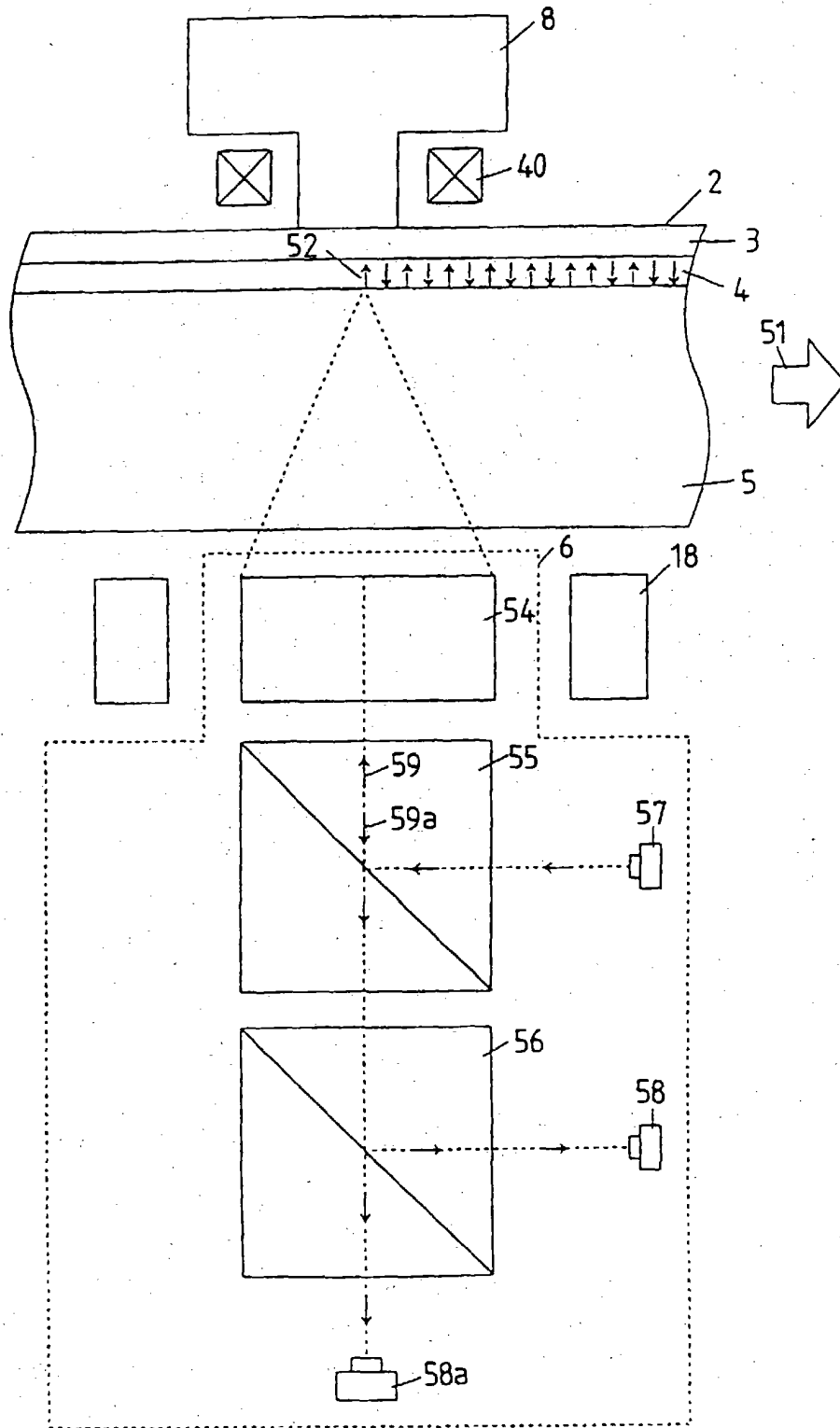


FIG. 3

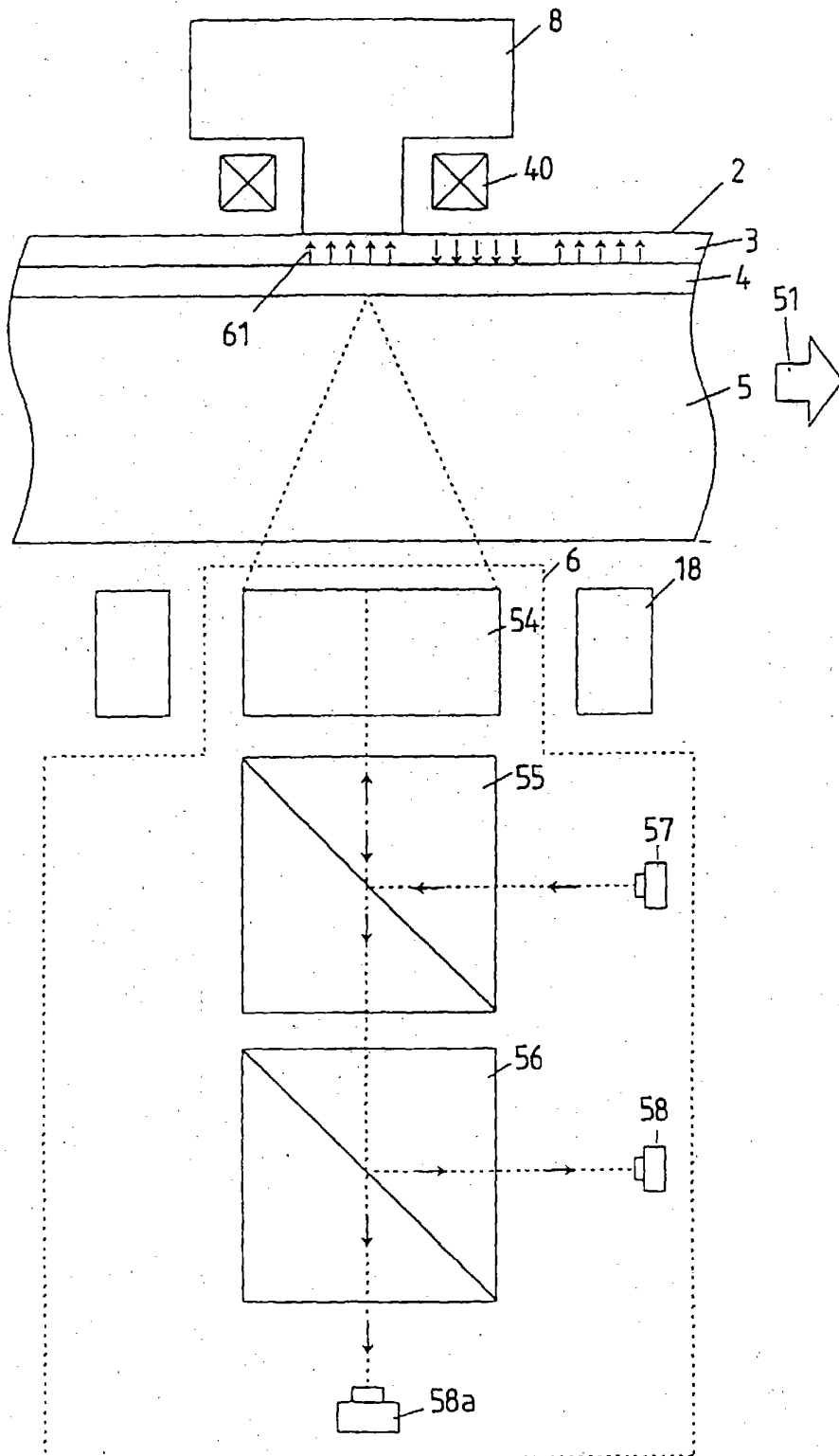


FIG. 4

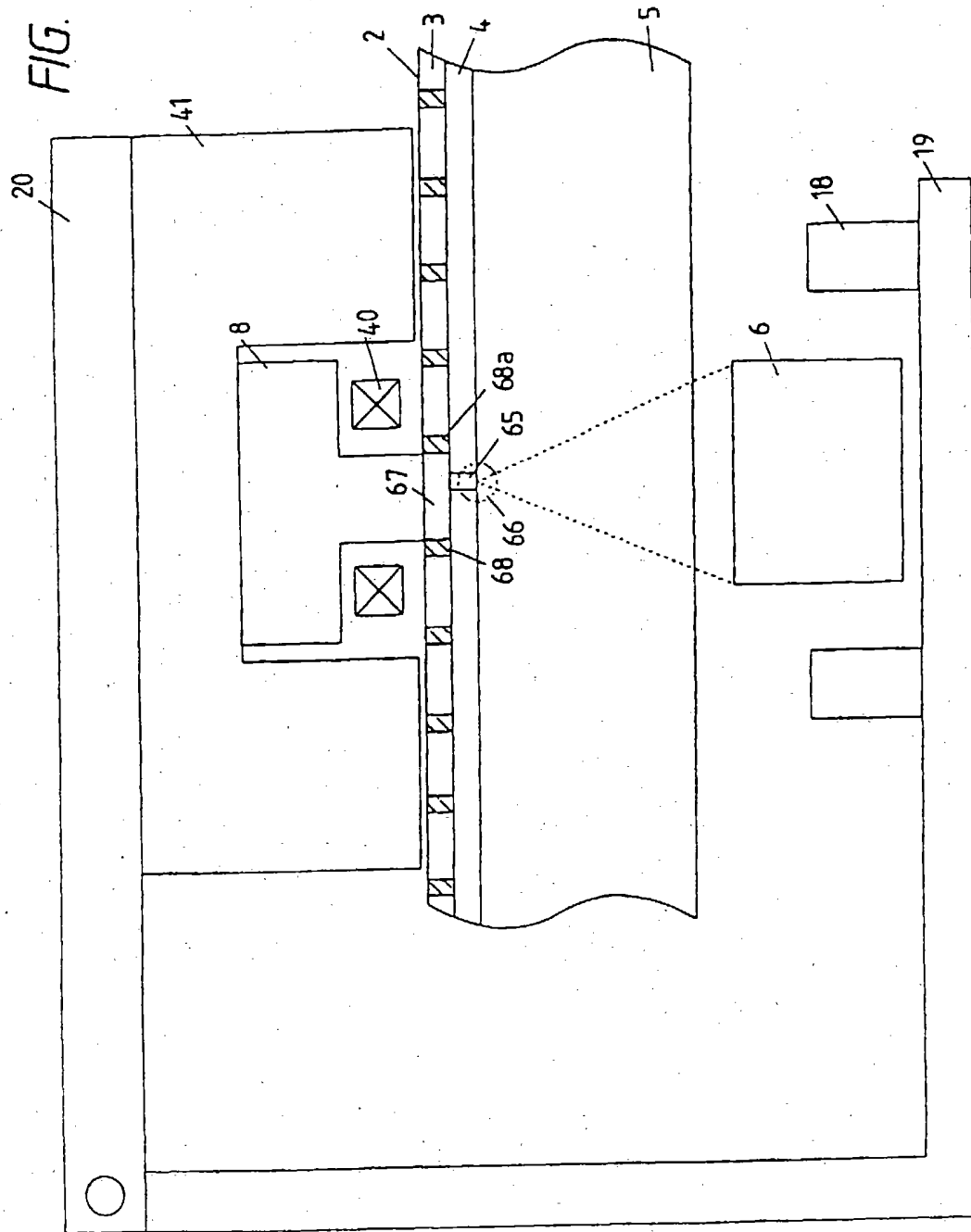
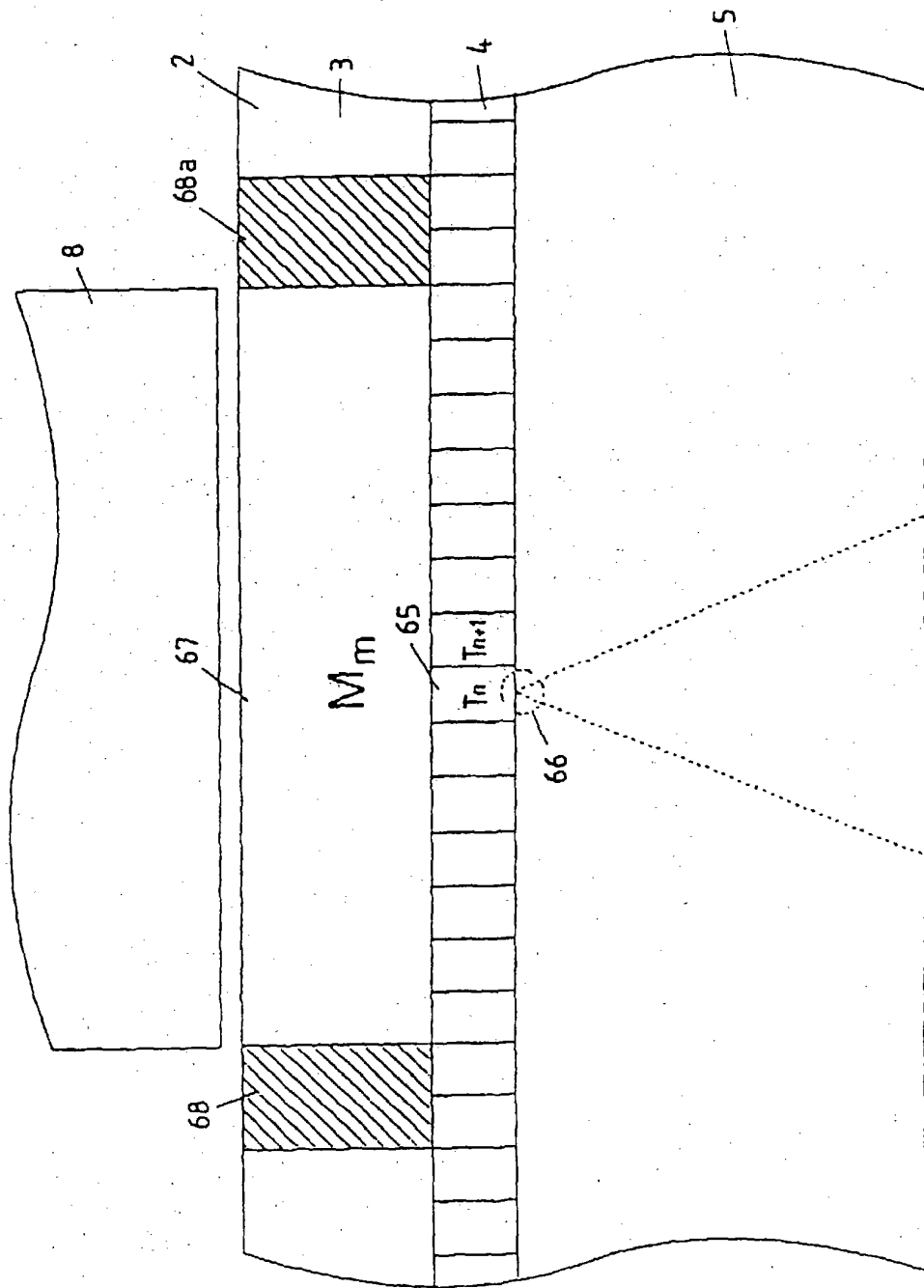


FIG. 5



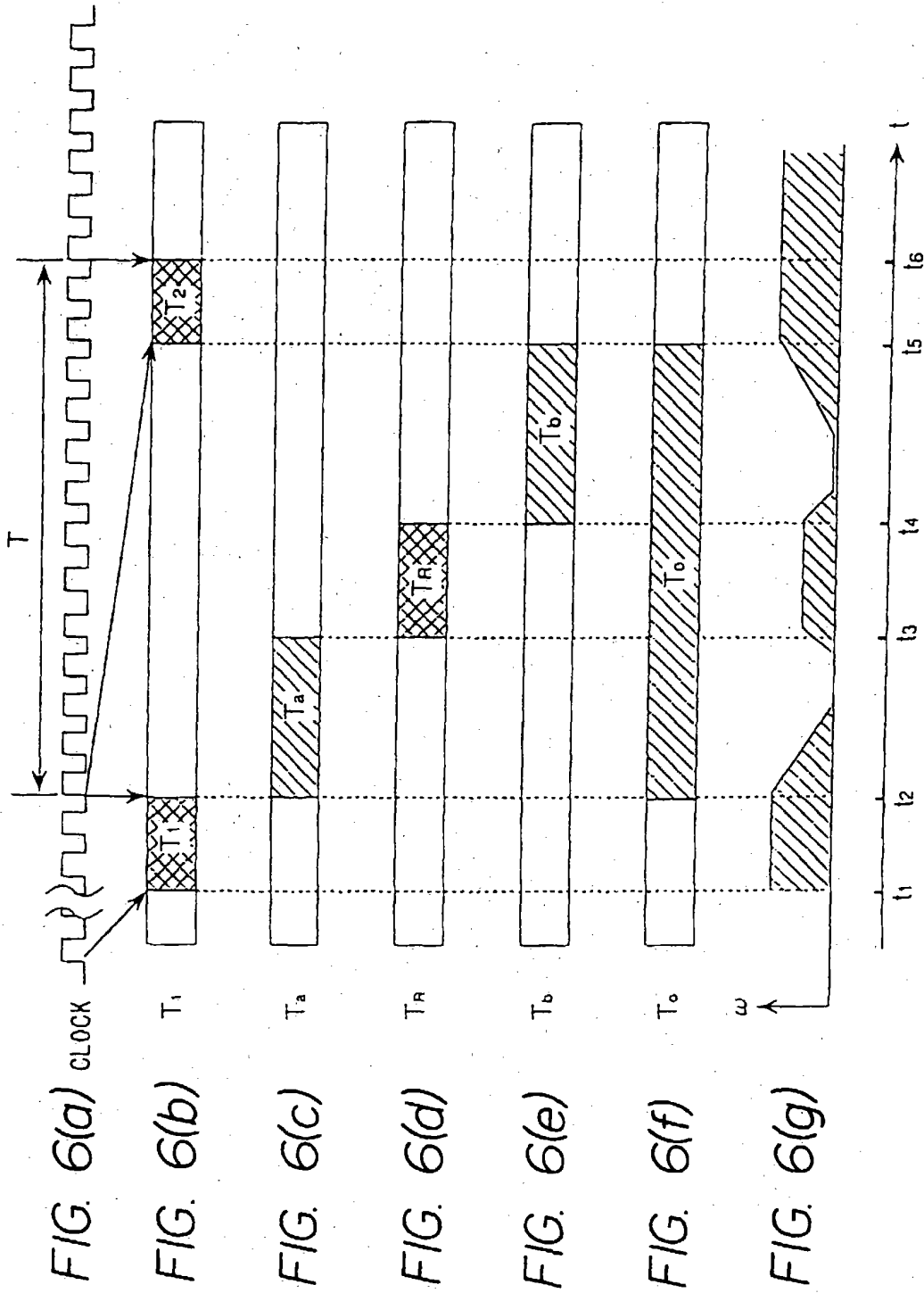


FIG. 7

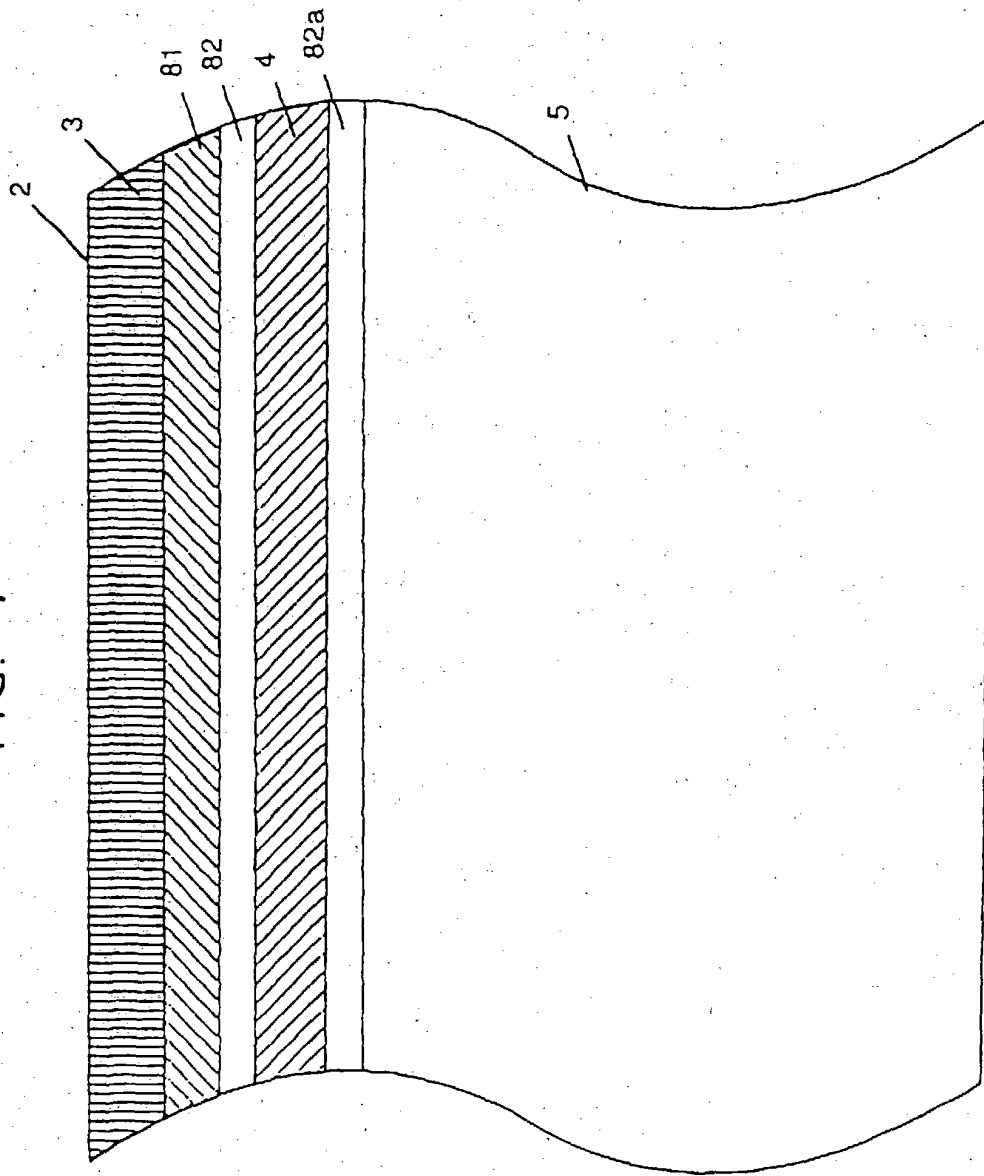


FIG. 8

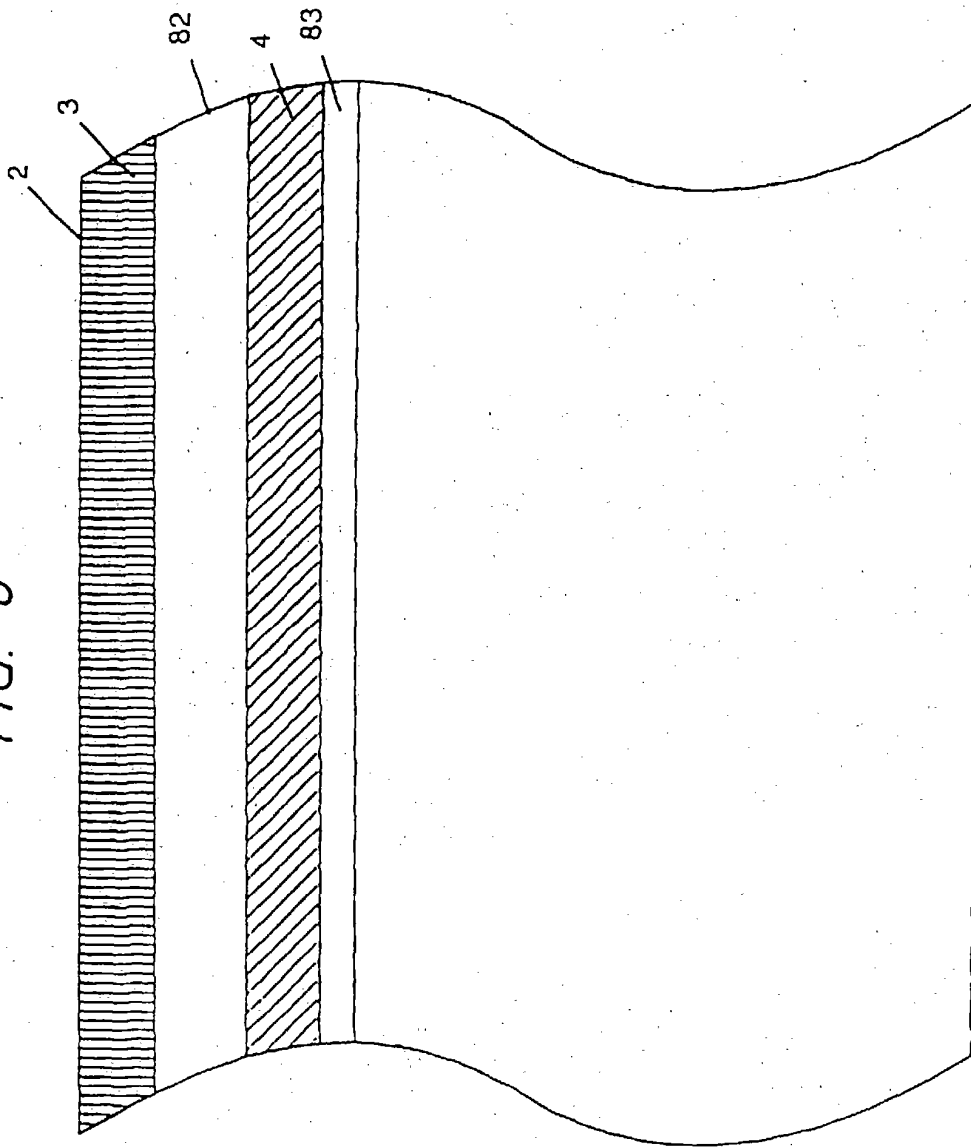
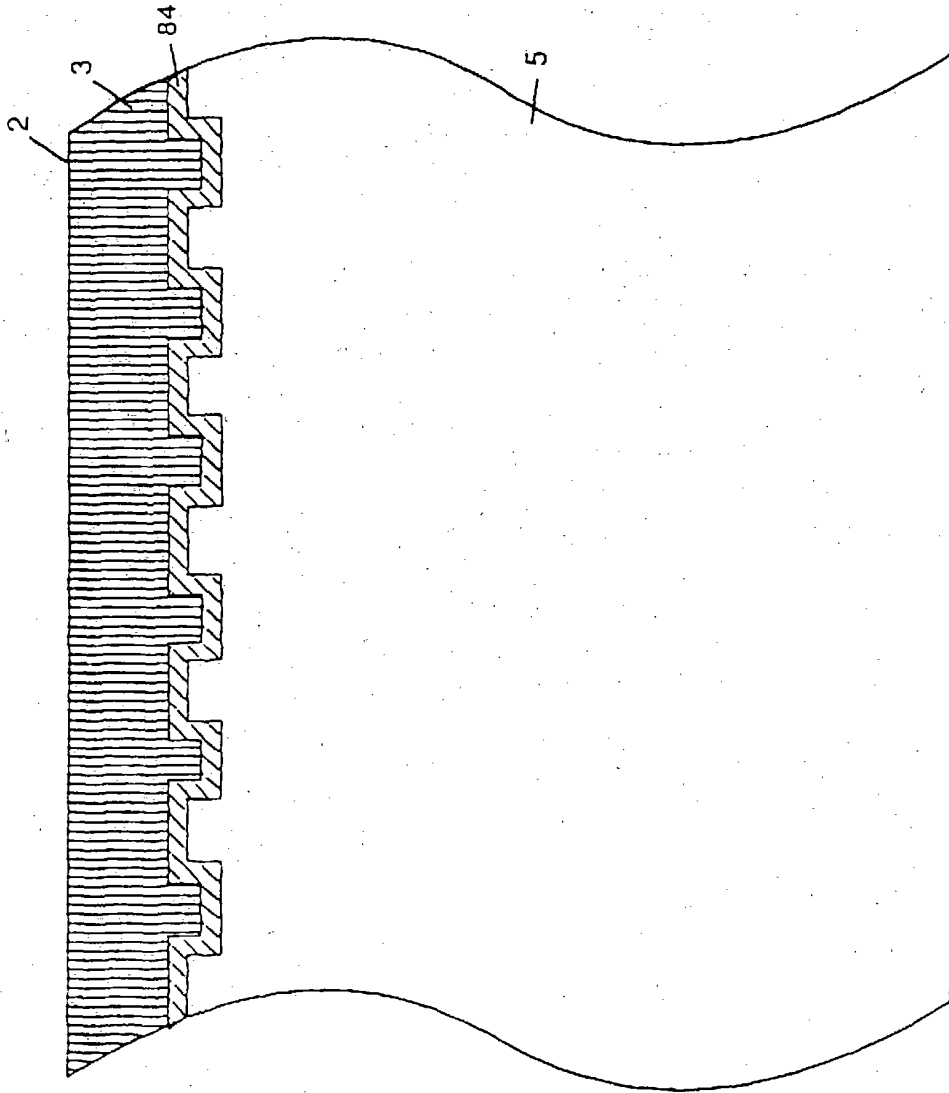




FIG. 9



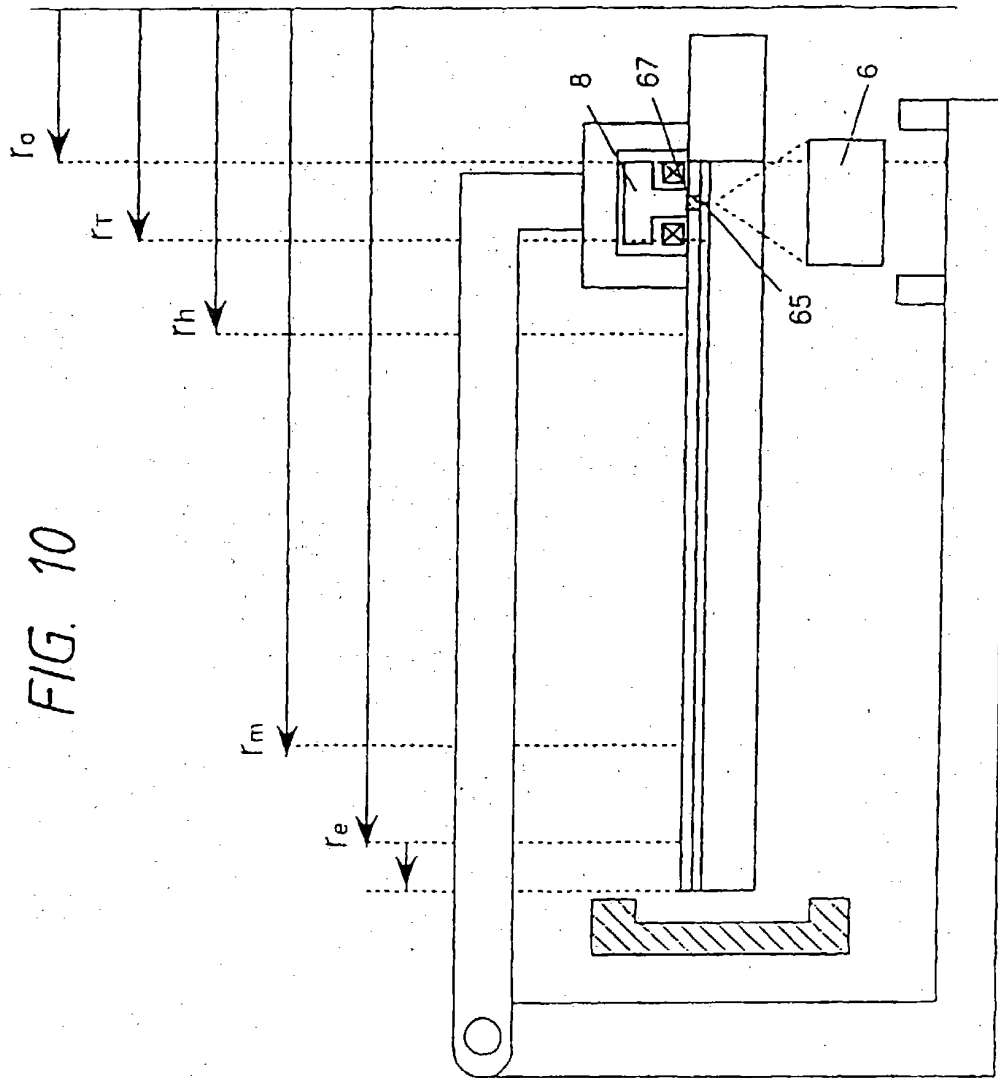
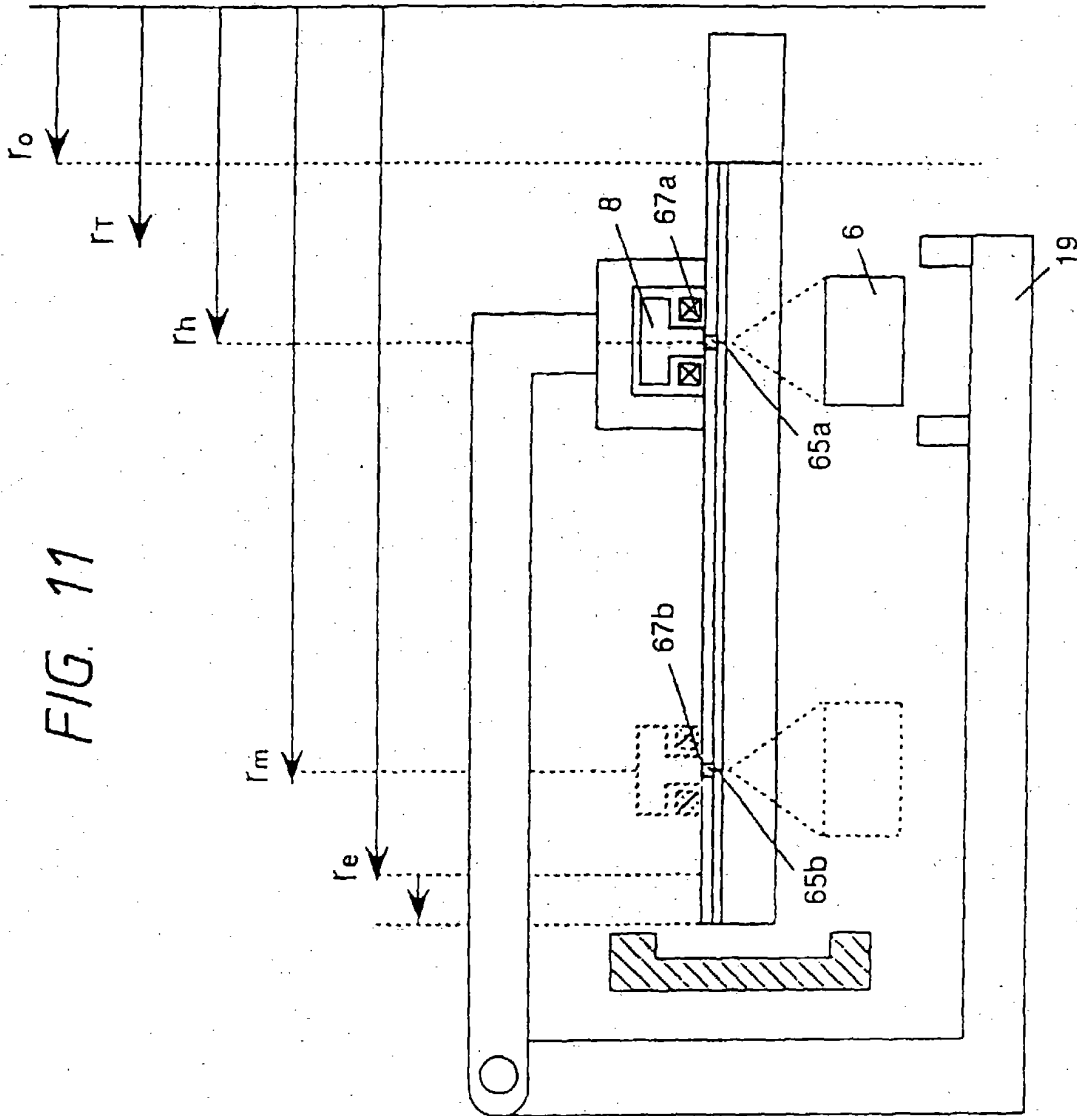


FIG. 11



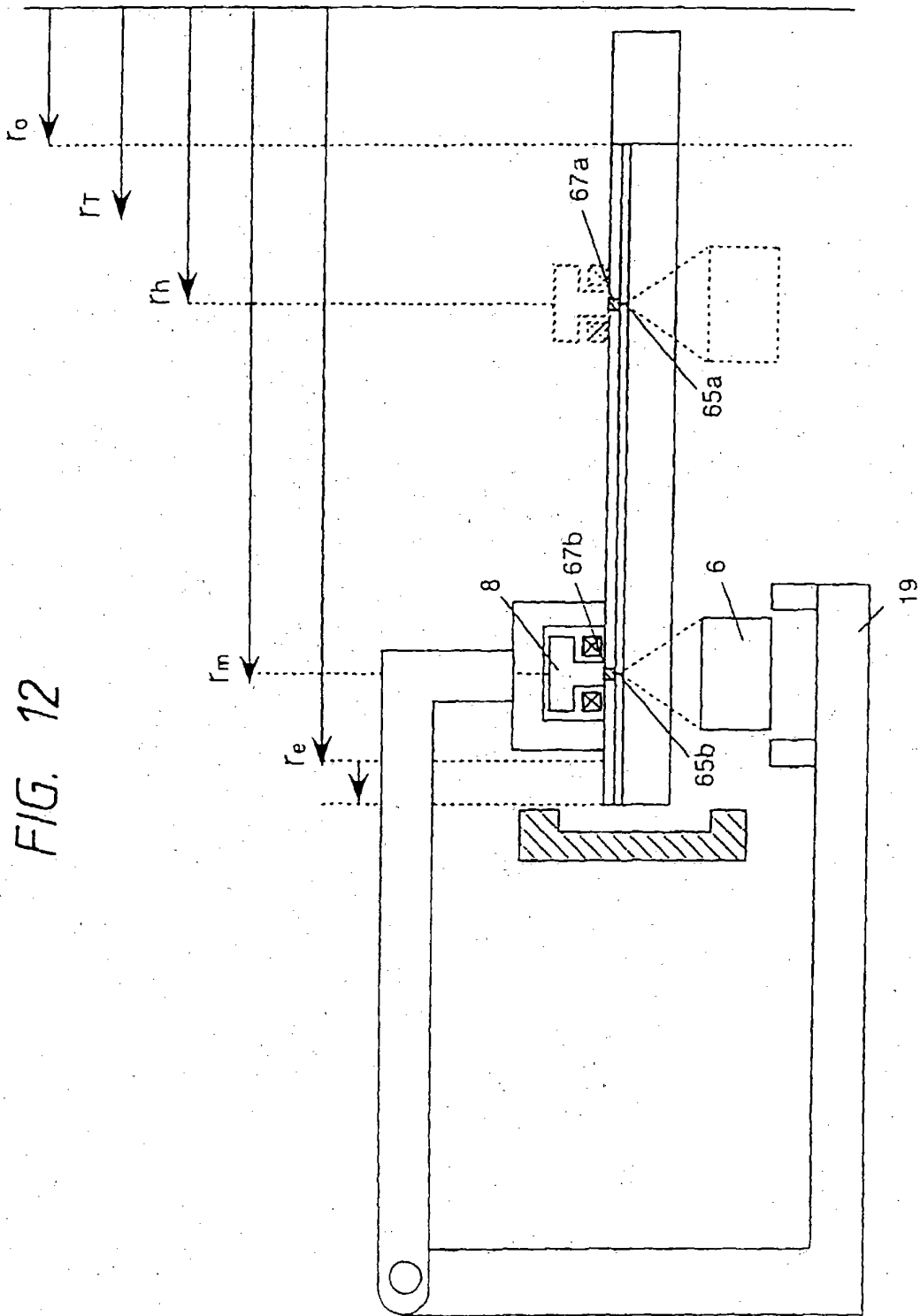
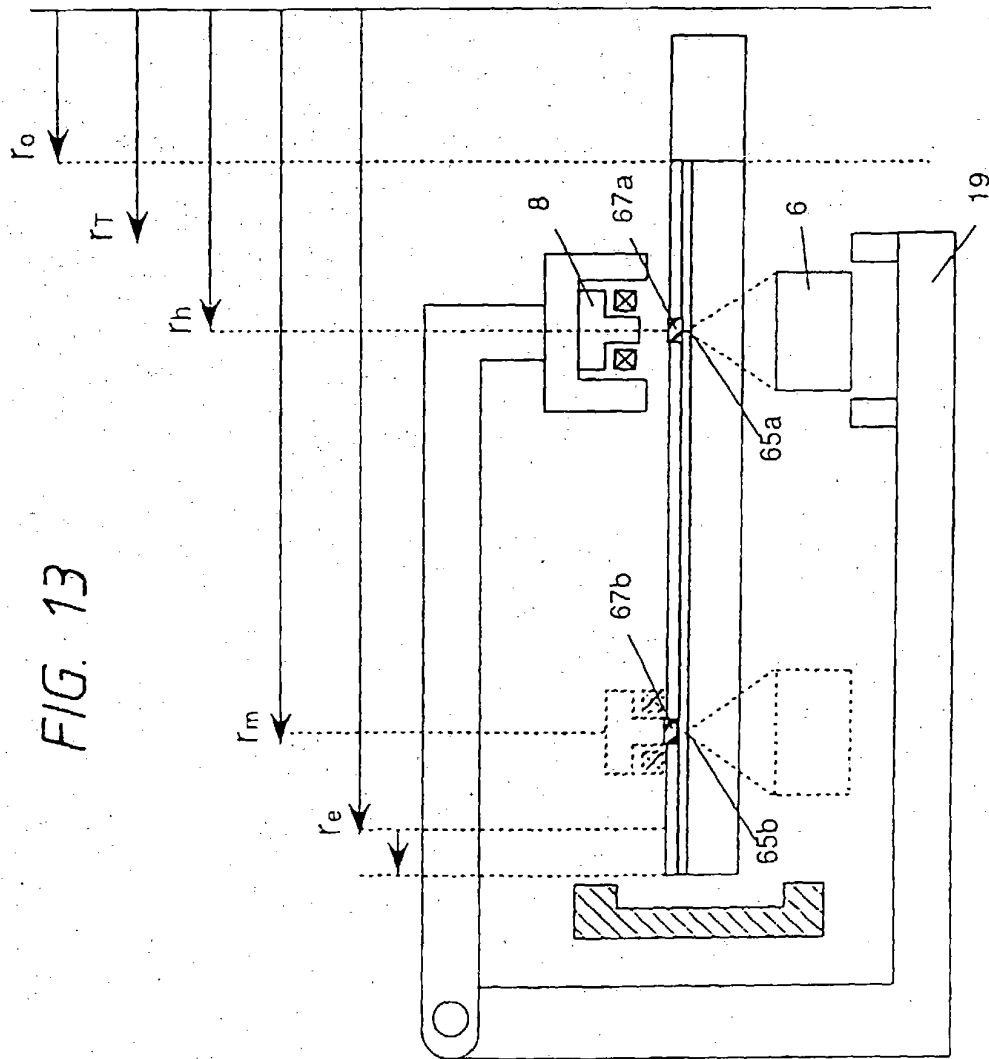


FIG. 13



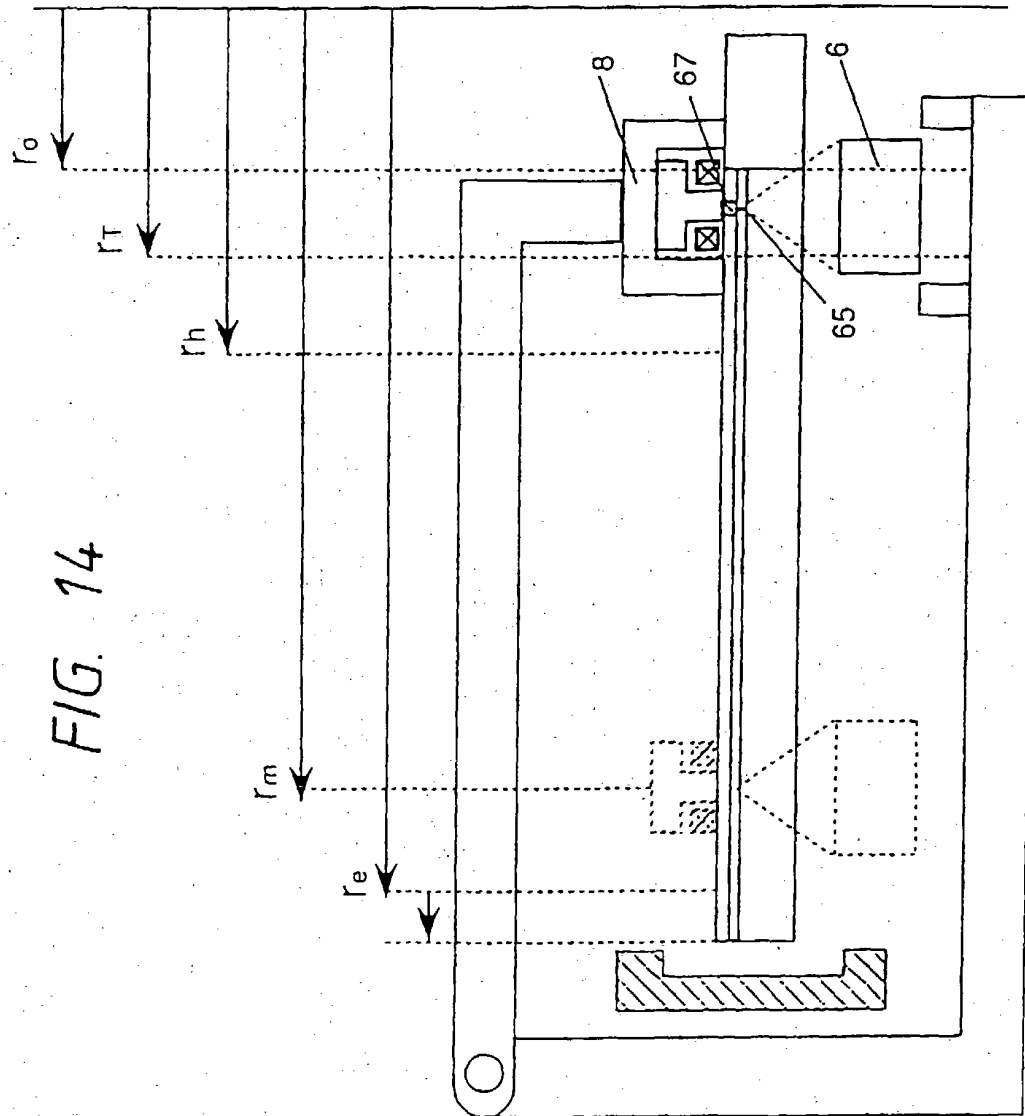
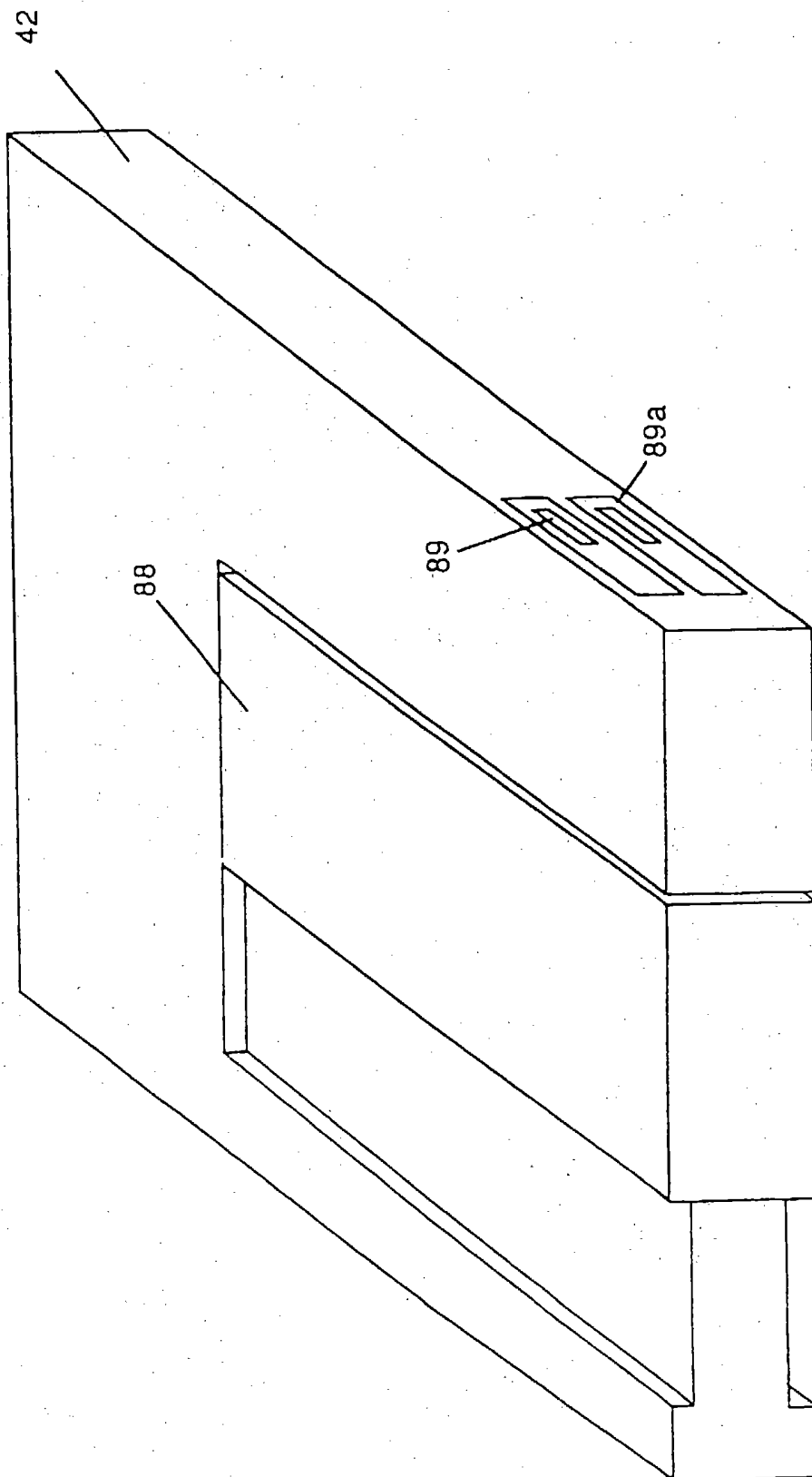


FIG. 15



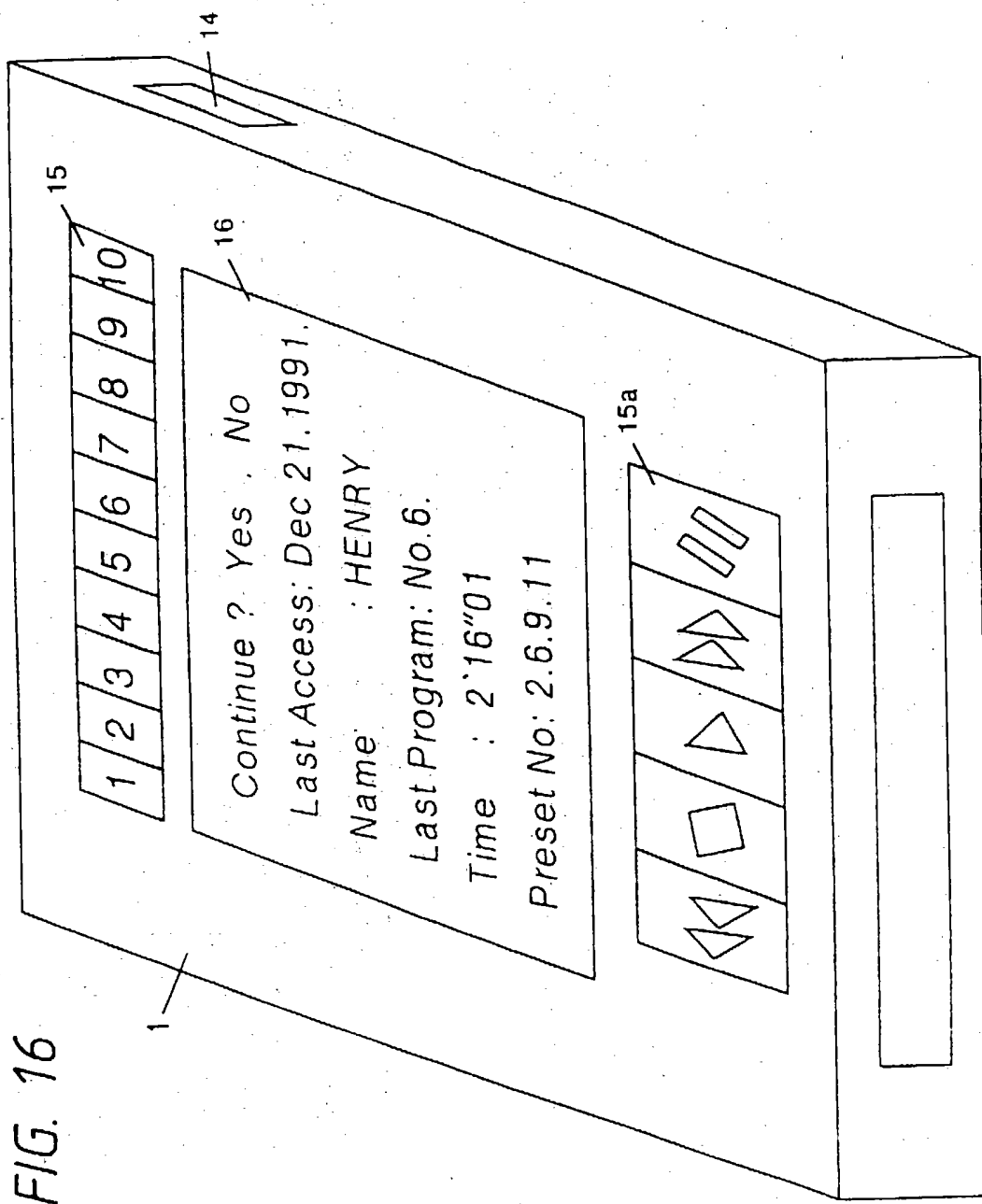
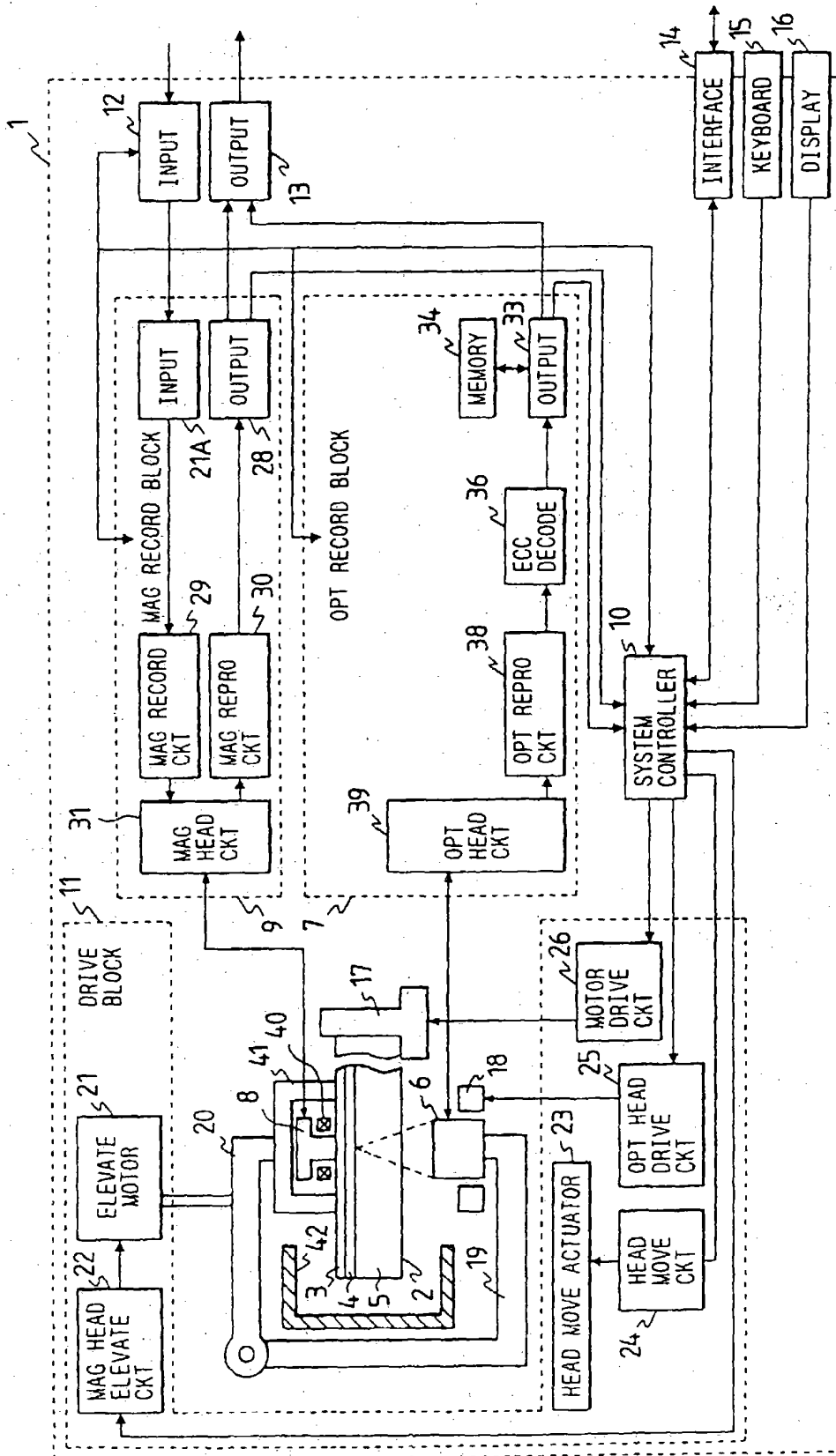




FIG. 17



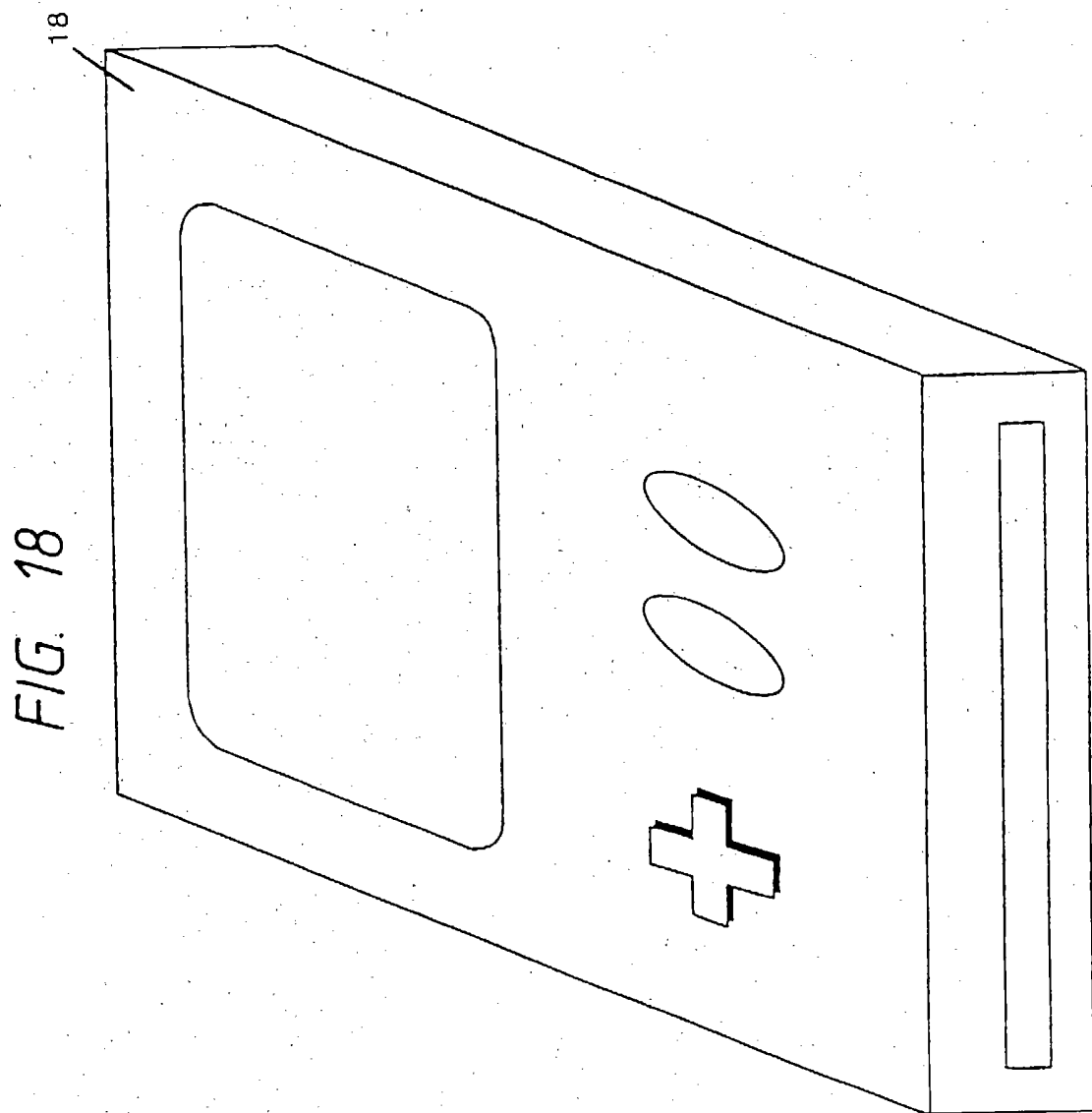


FIG. 19

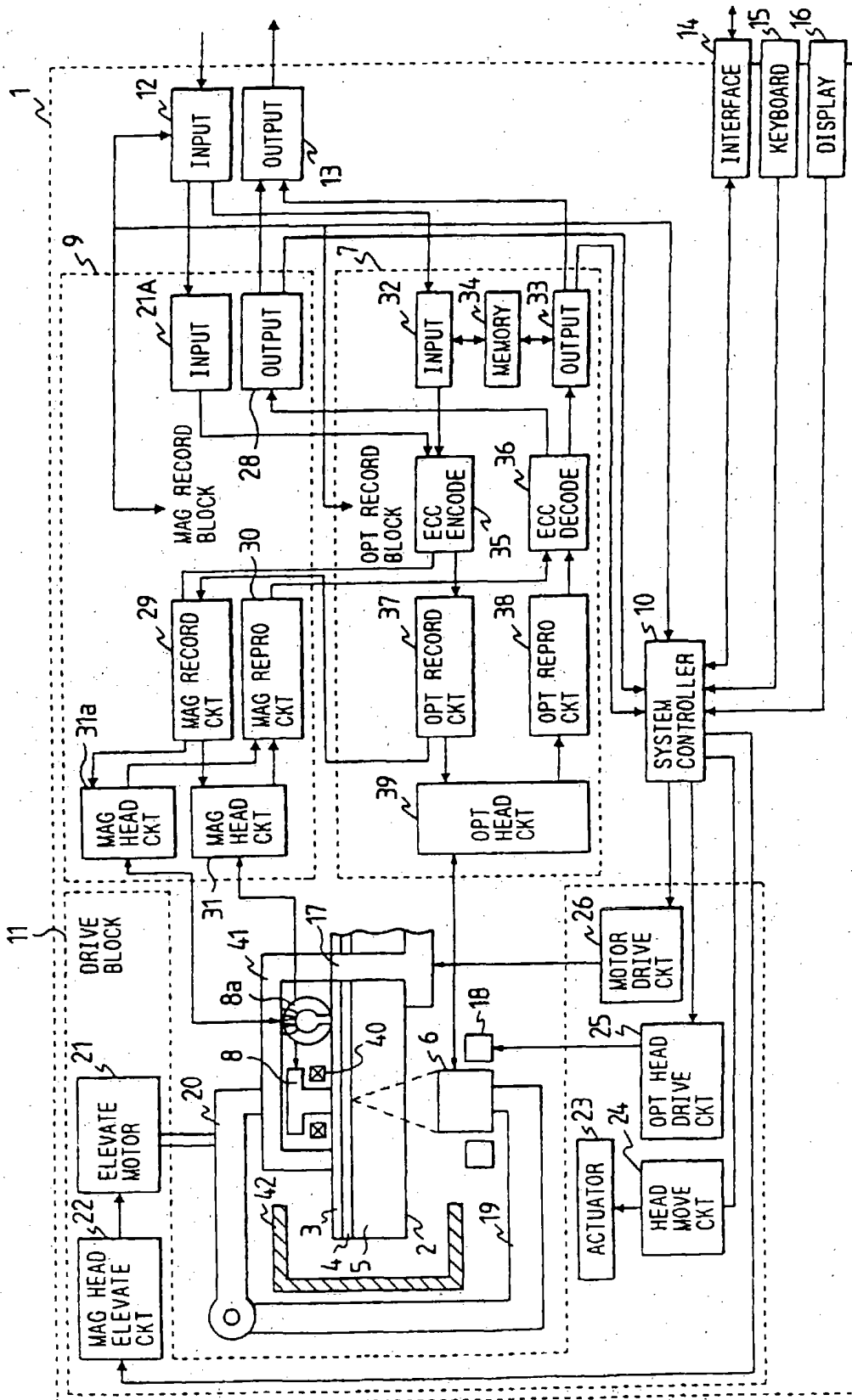


FIG. 20

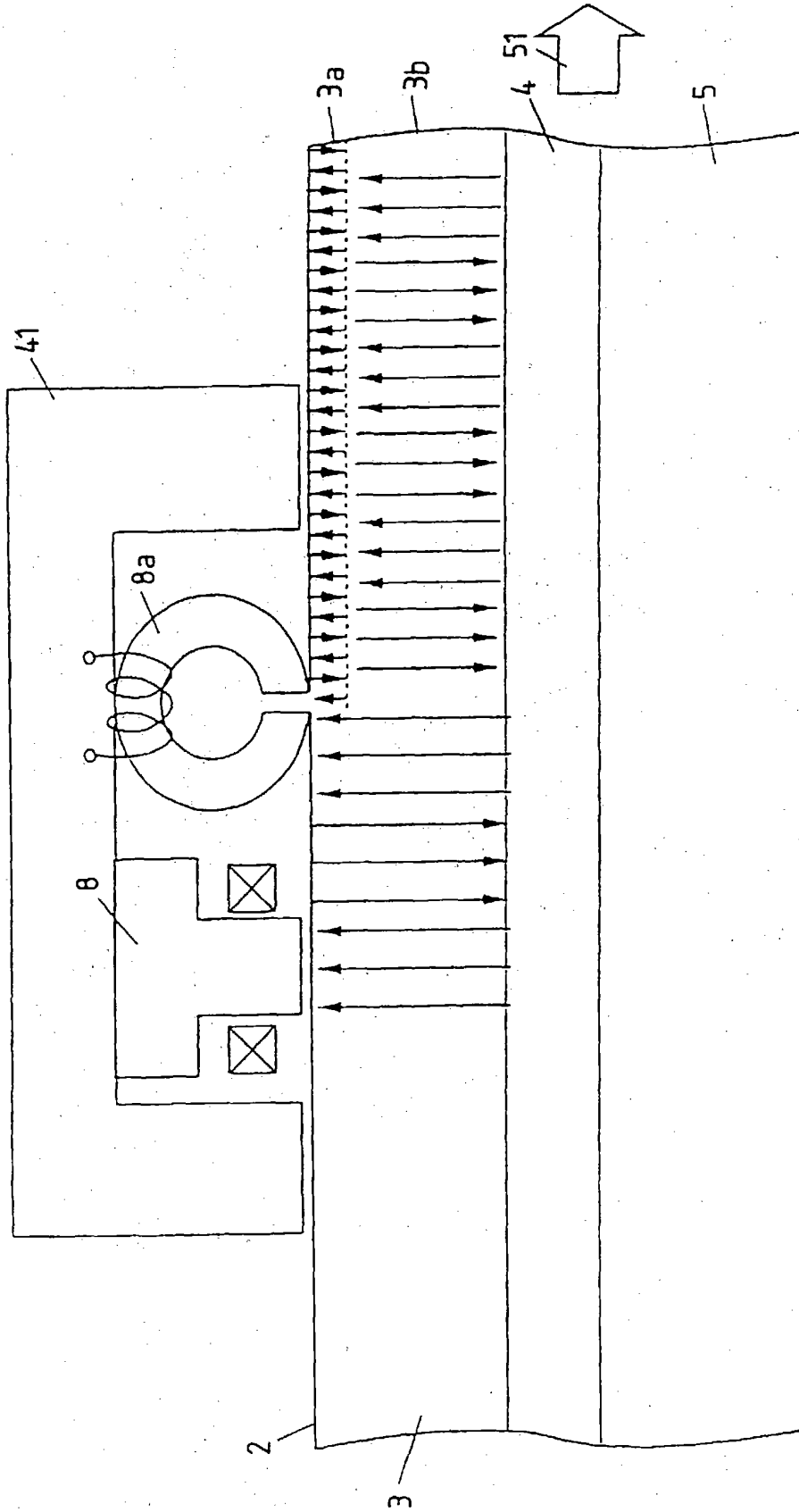


FIG. 21

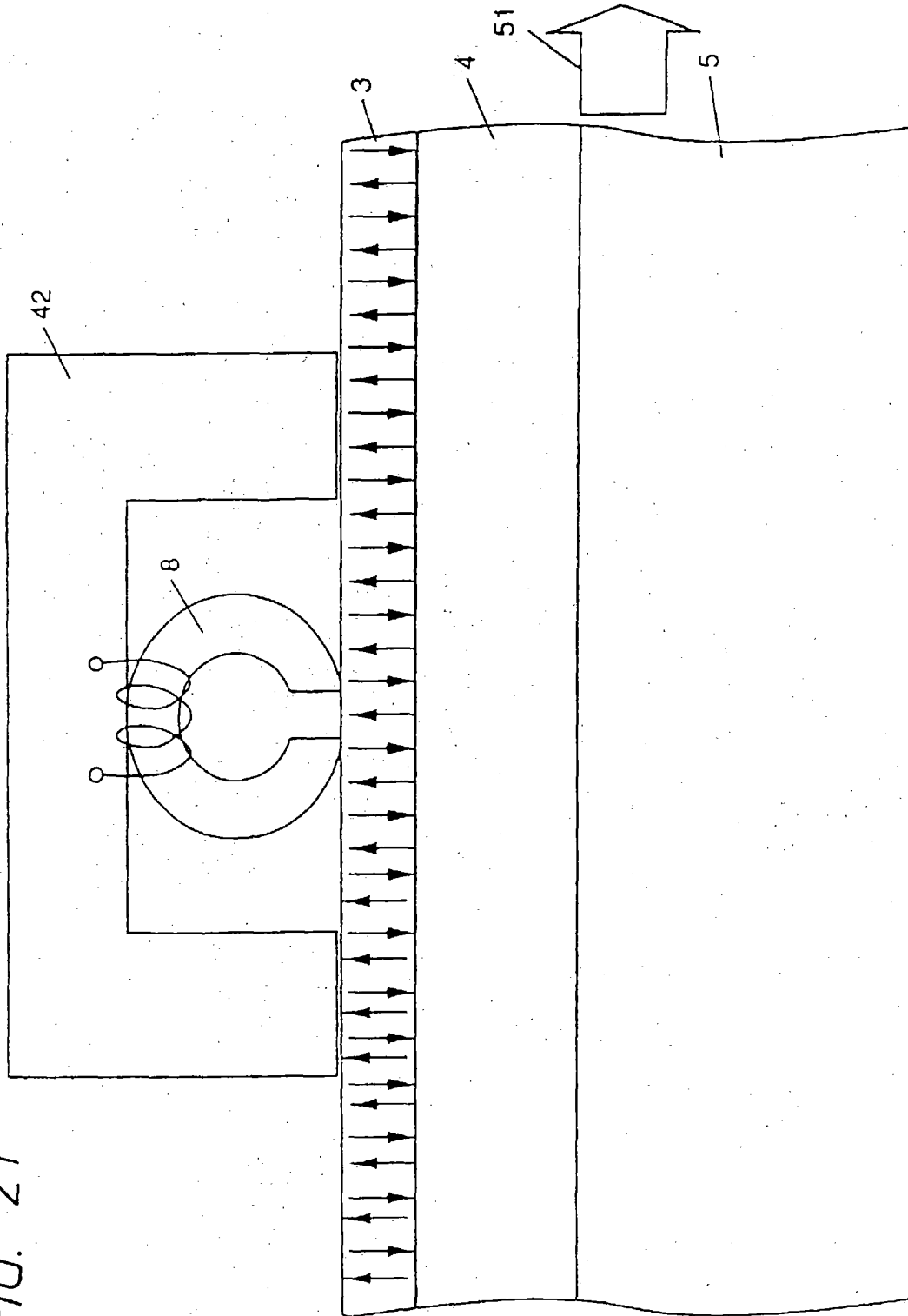


FIG. 22

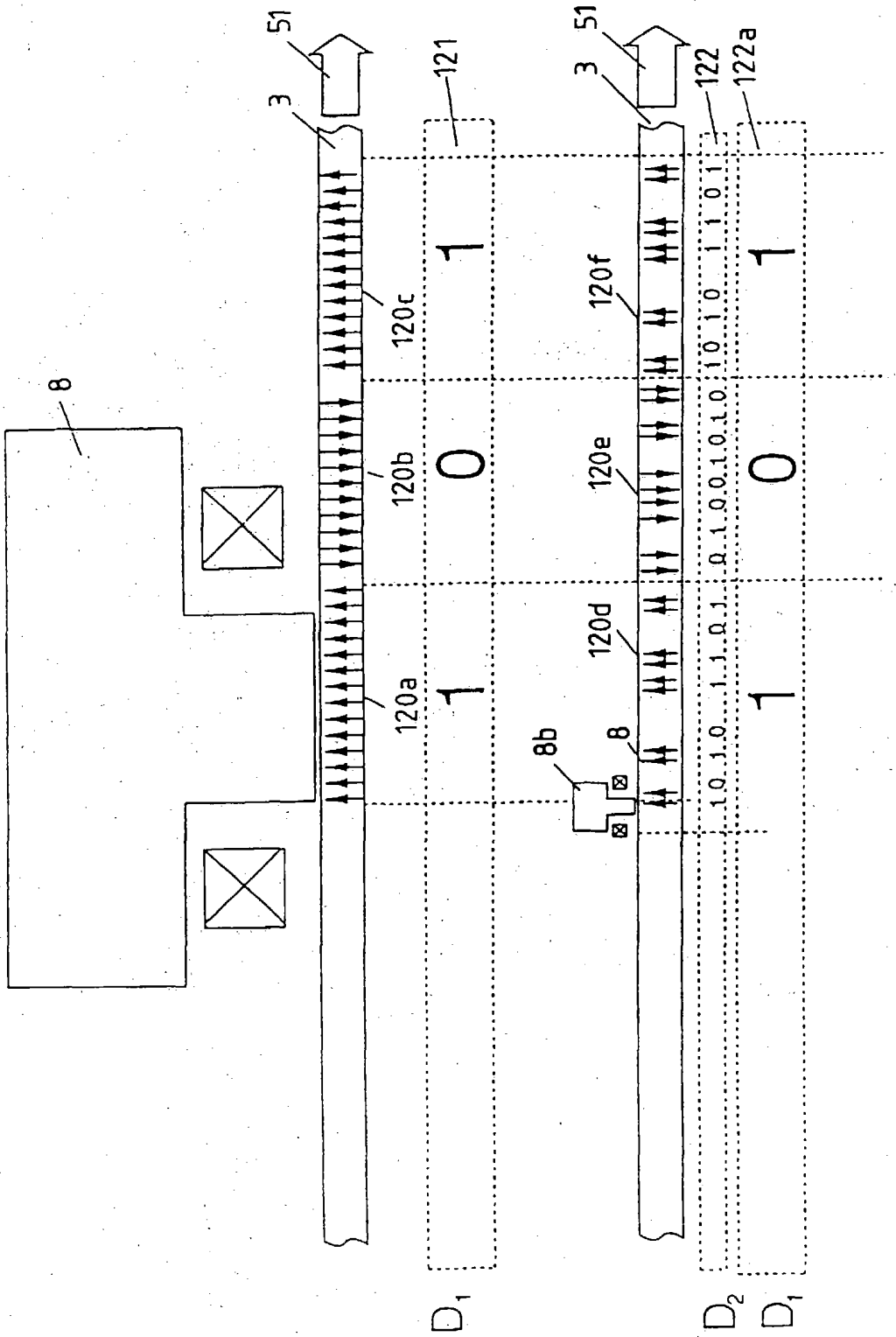


FIG. 23

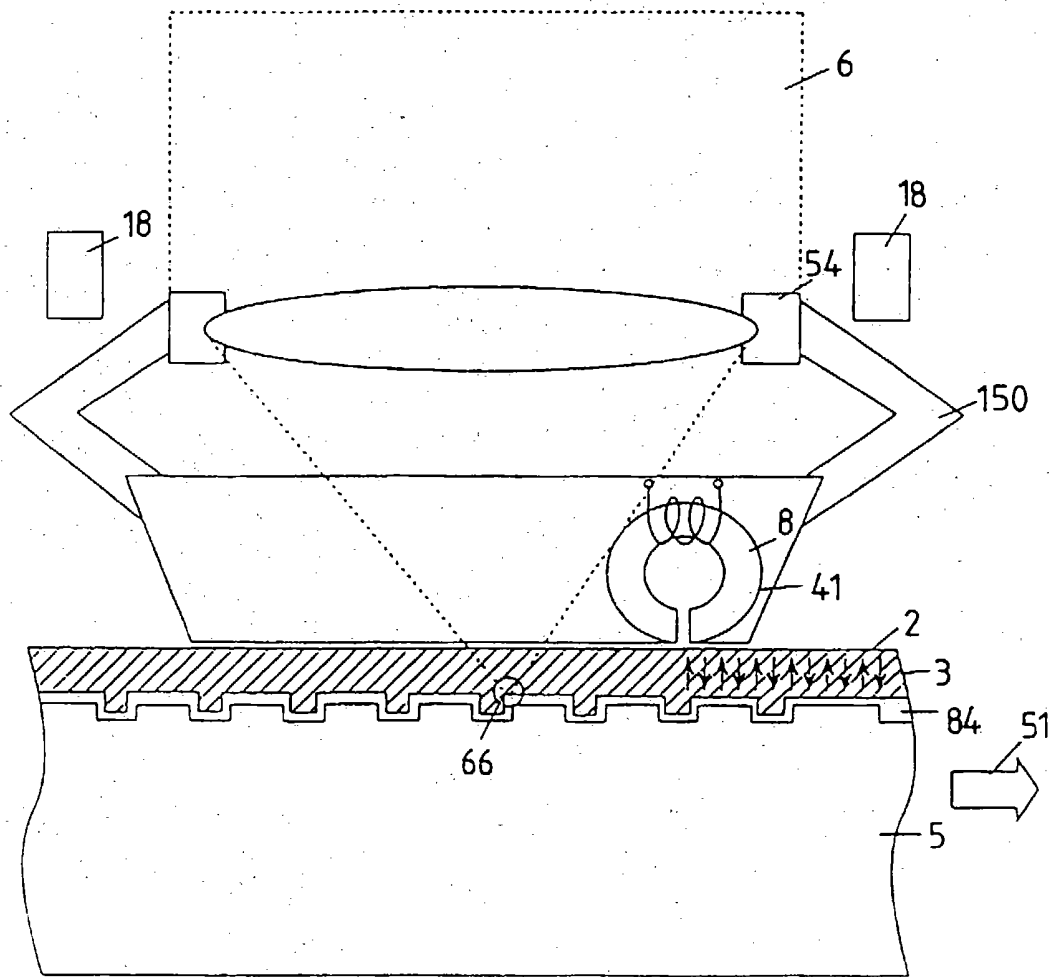


FIG. 24

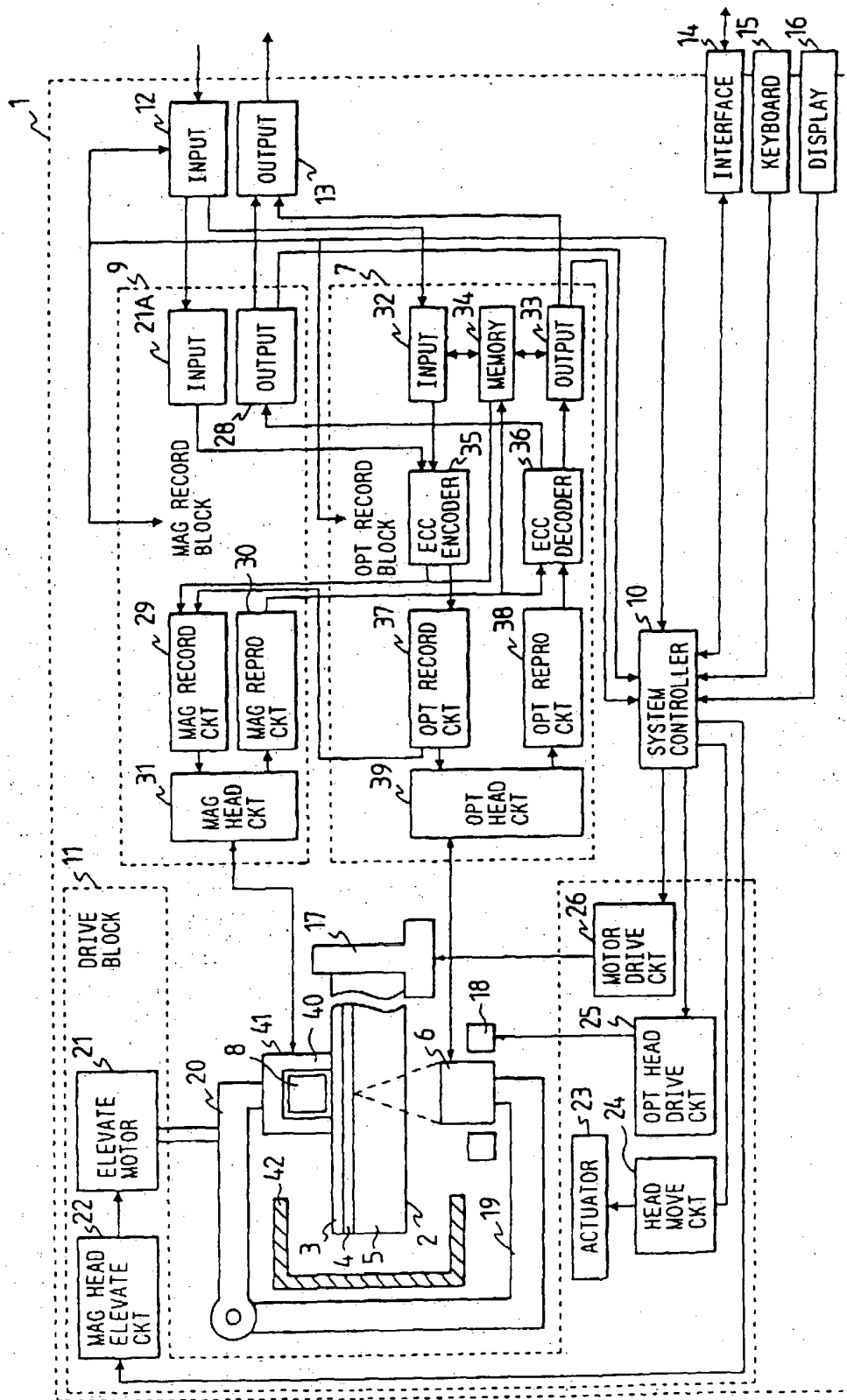




FIG. 25

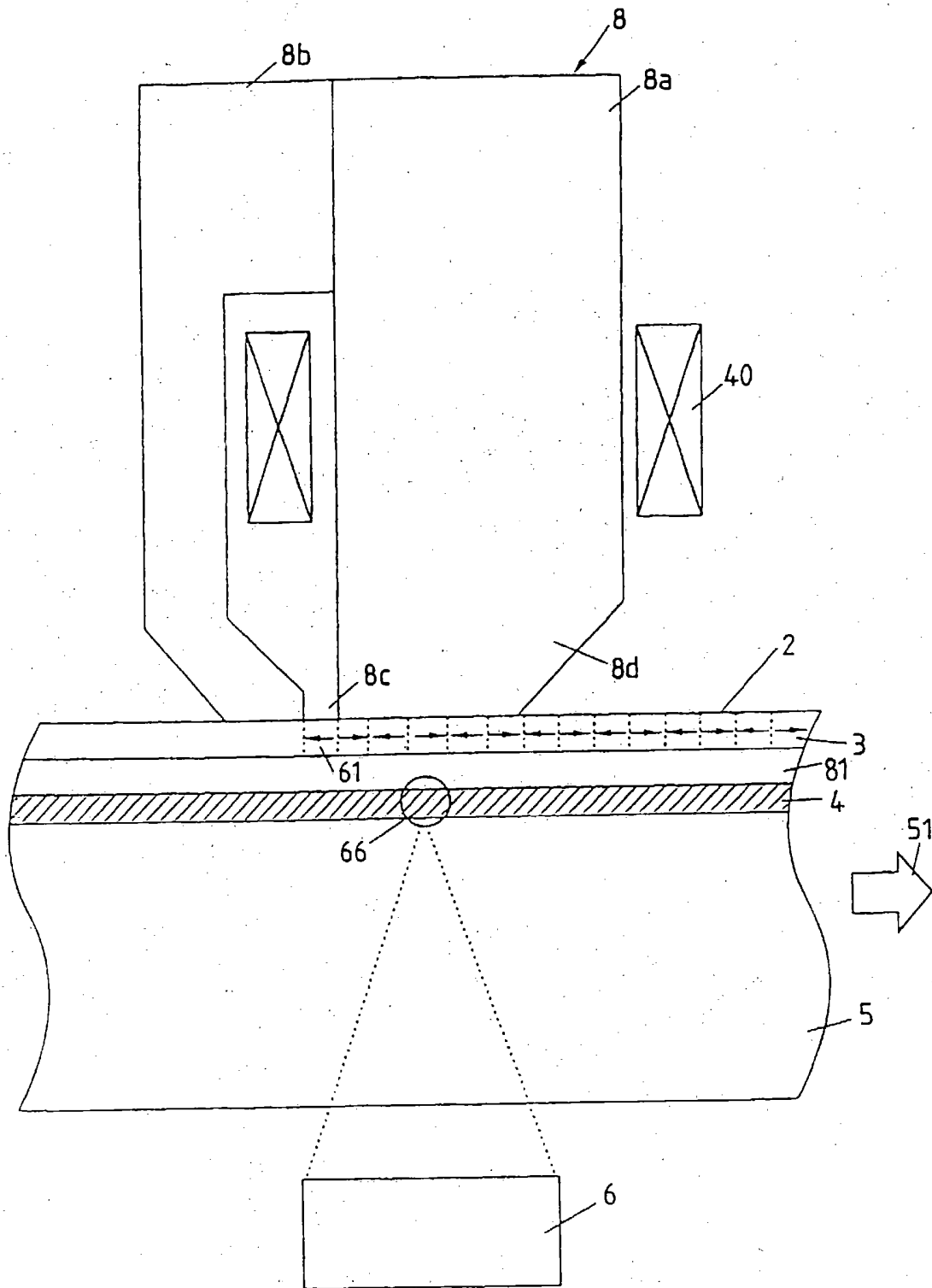


FIG. 26

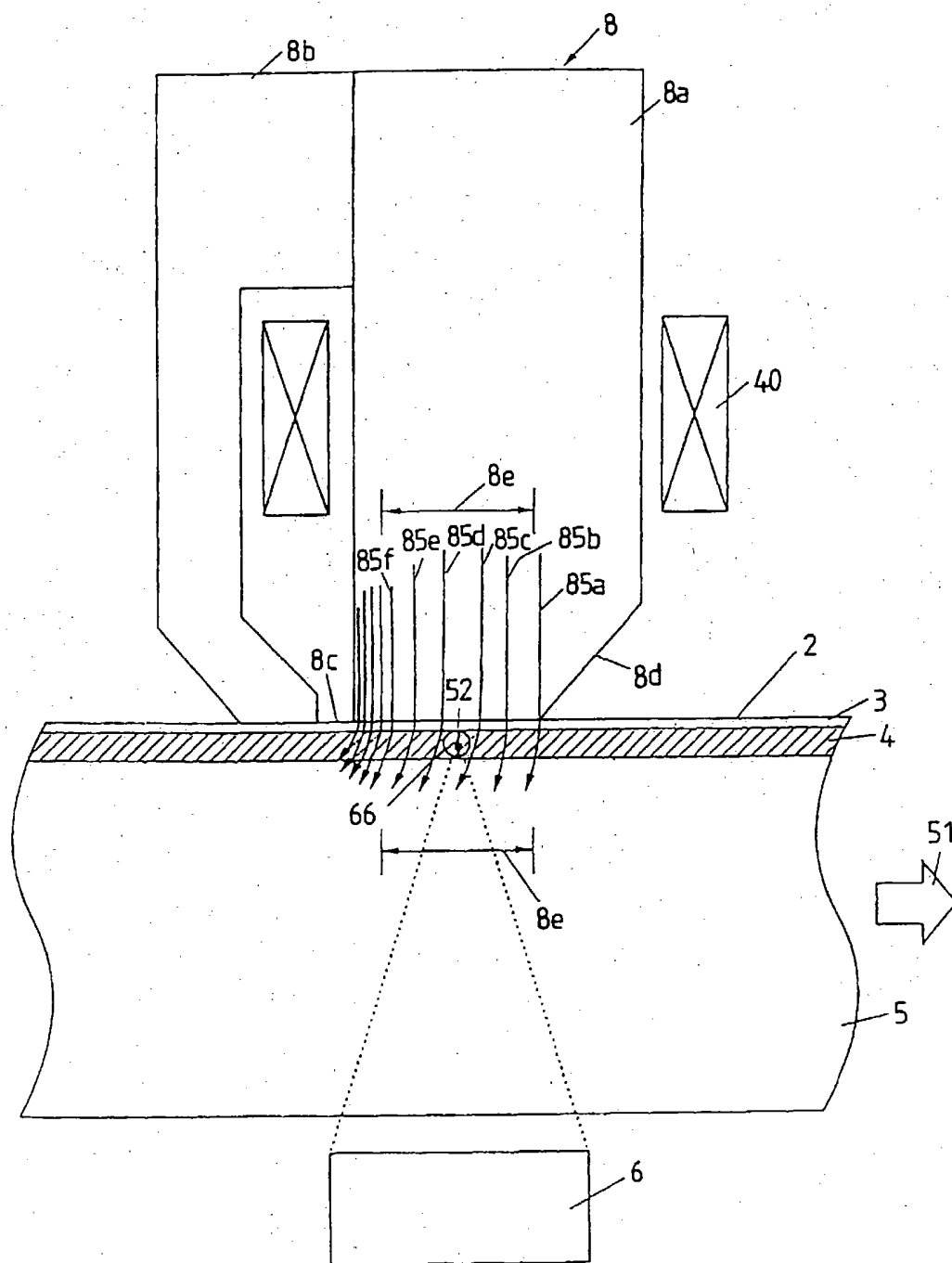


FIG. 27

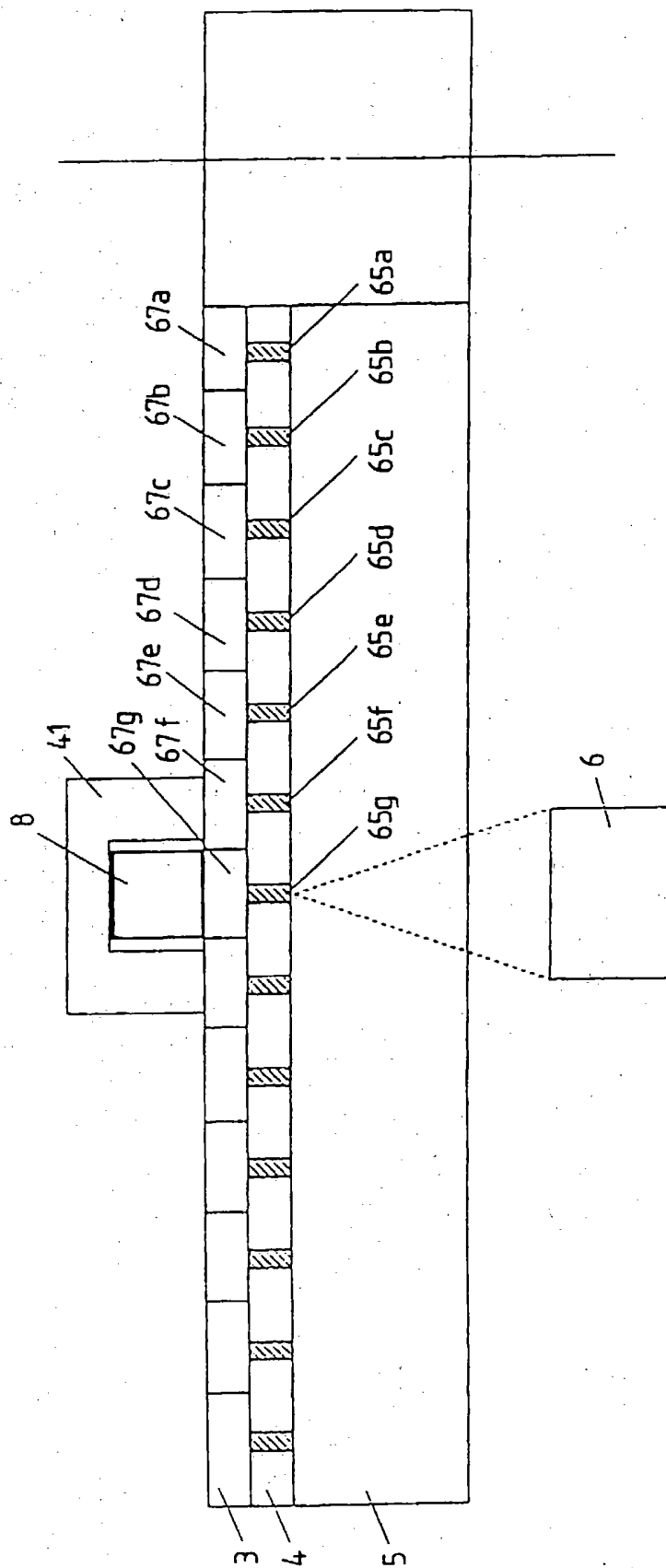


FIG. 28

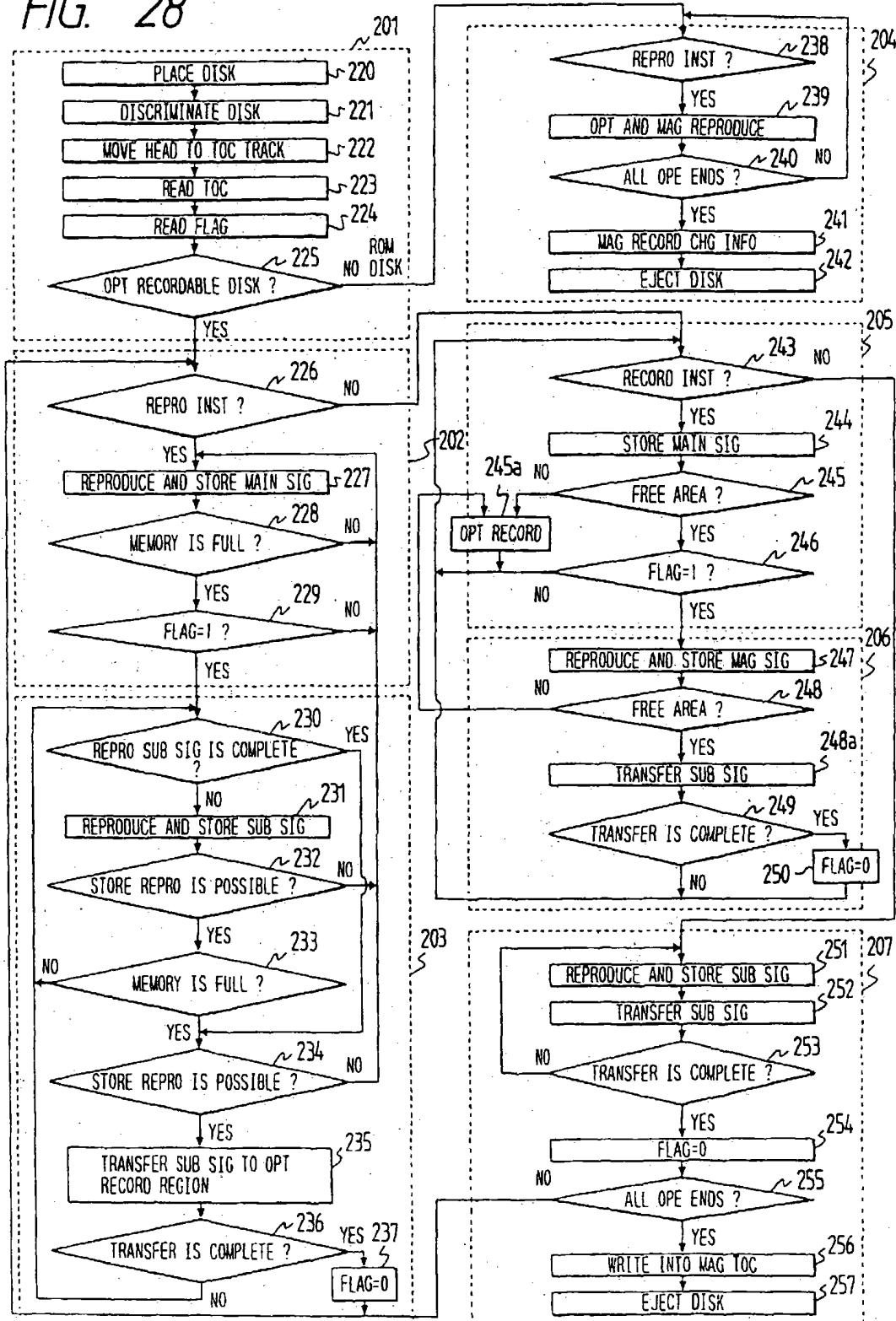
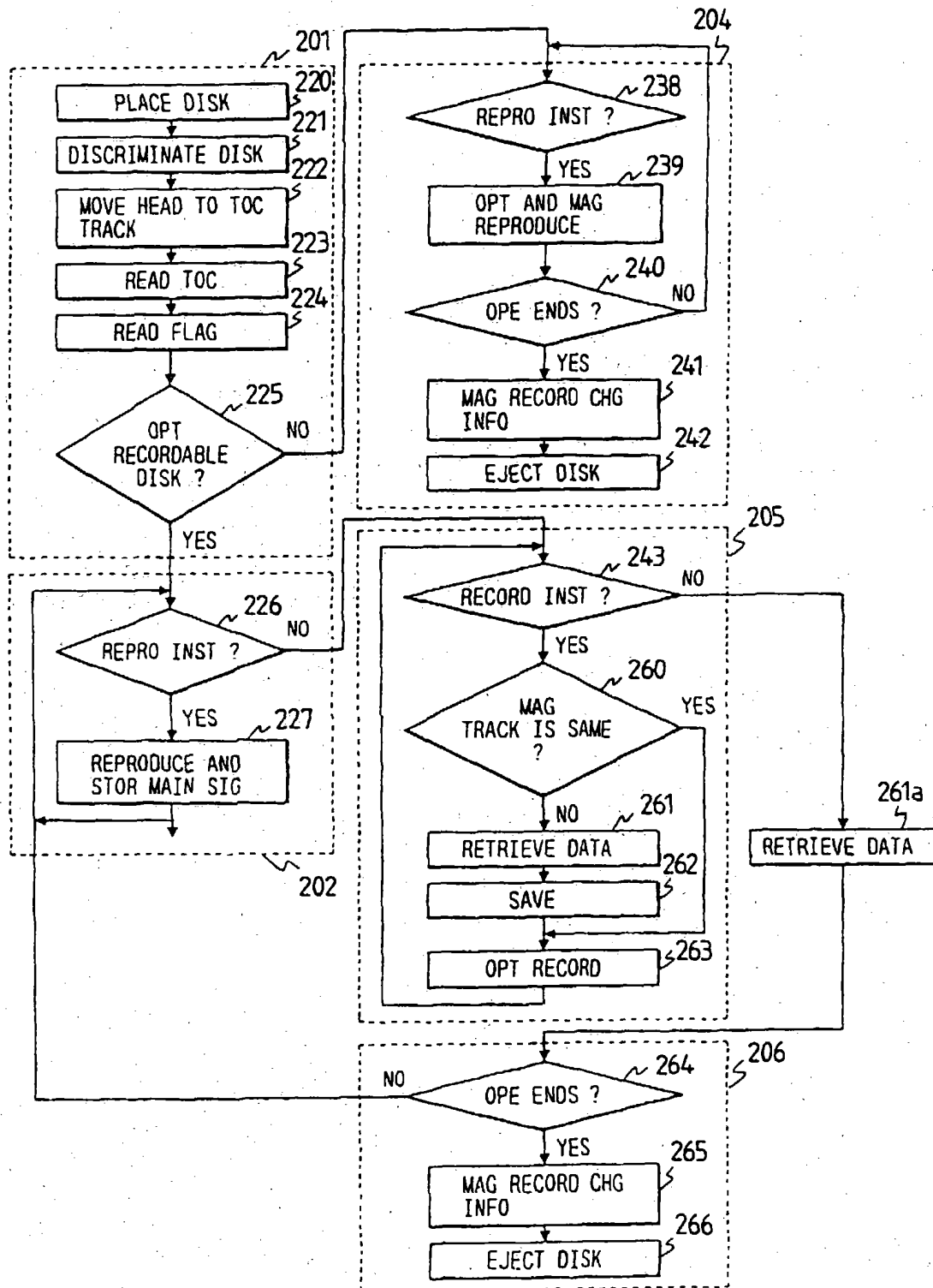


FIG. 29



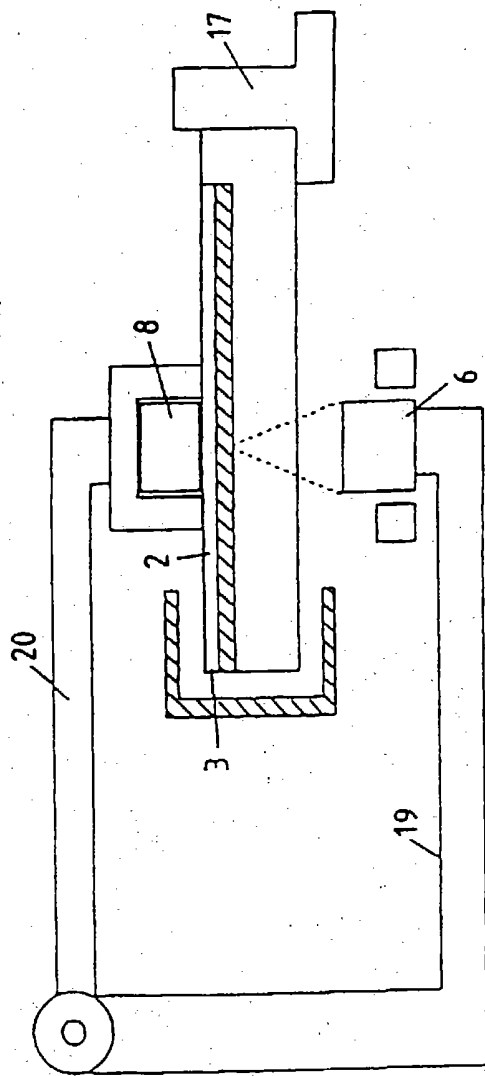


FIG. 30(a)

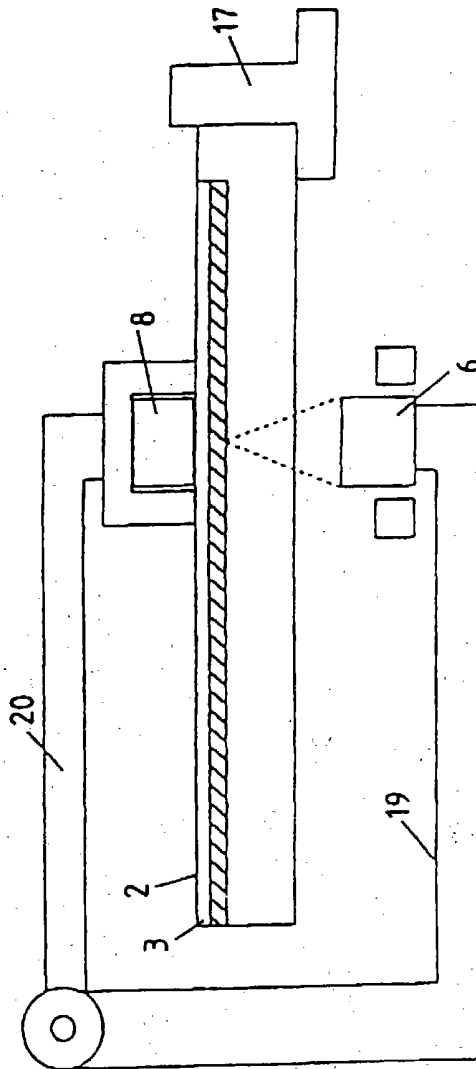


FIG. 30(b)

FIG. 31

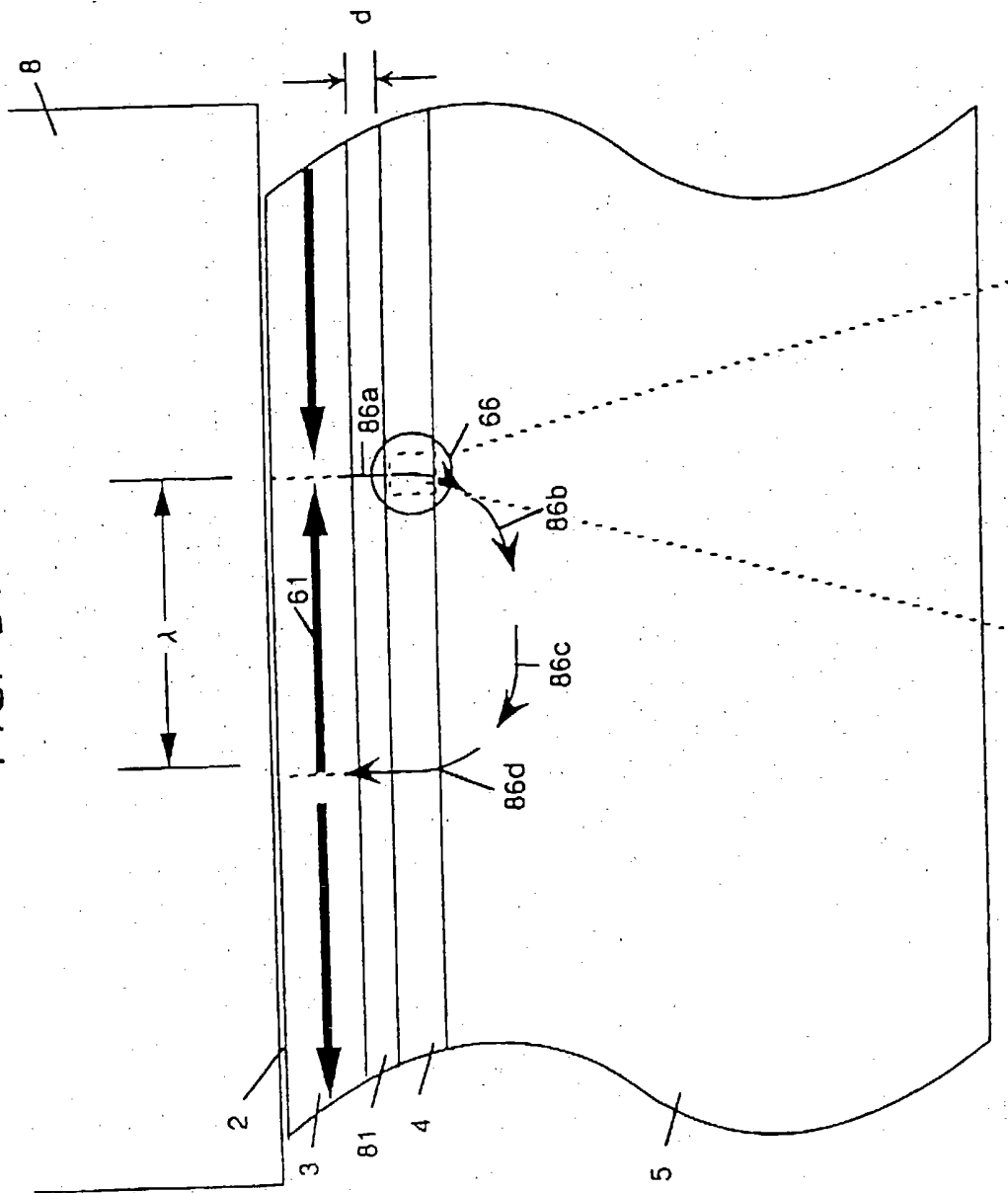


FIG. 32

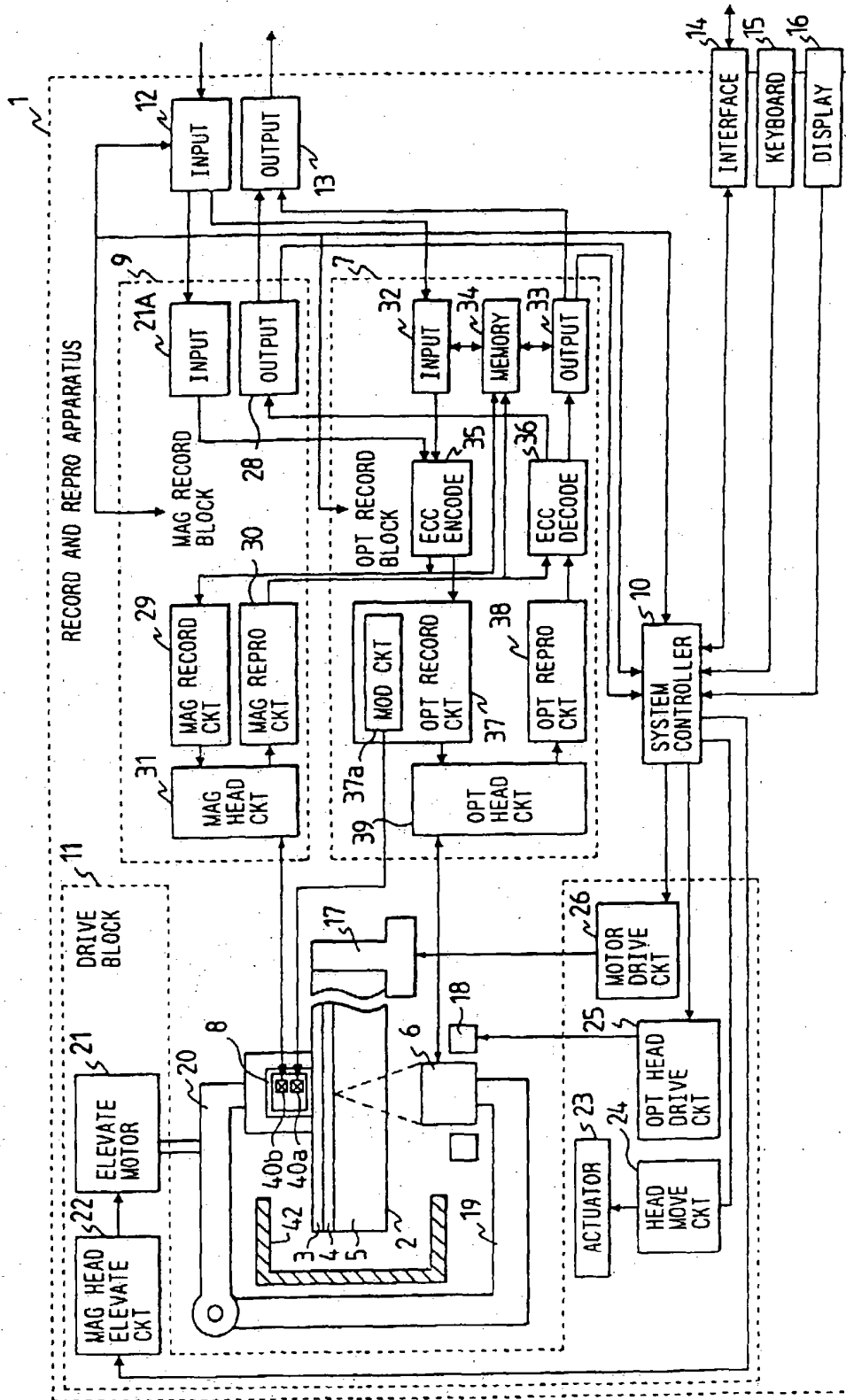




FIG. 33

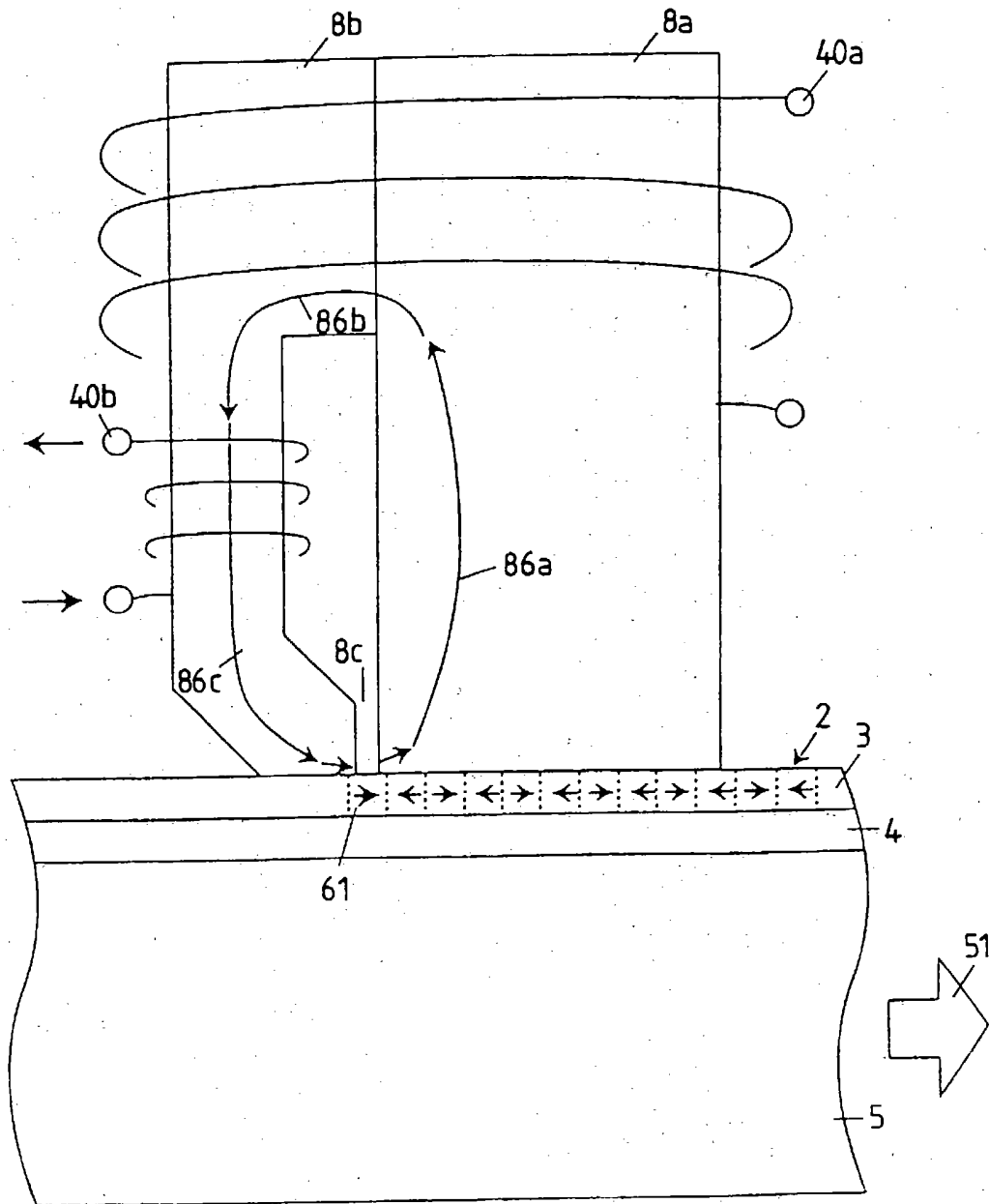


FIG. 34

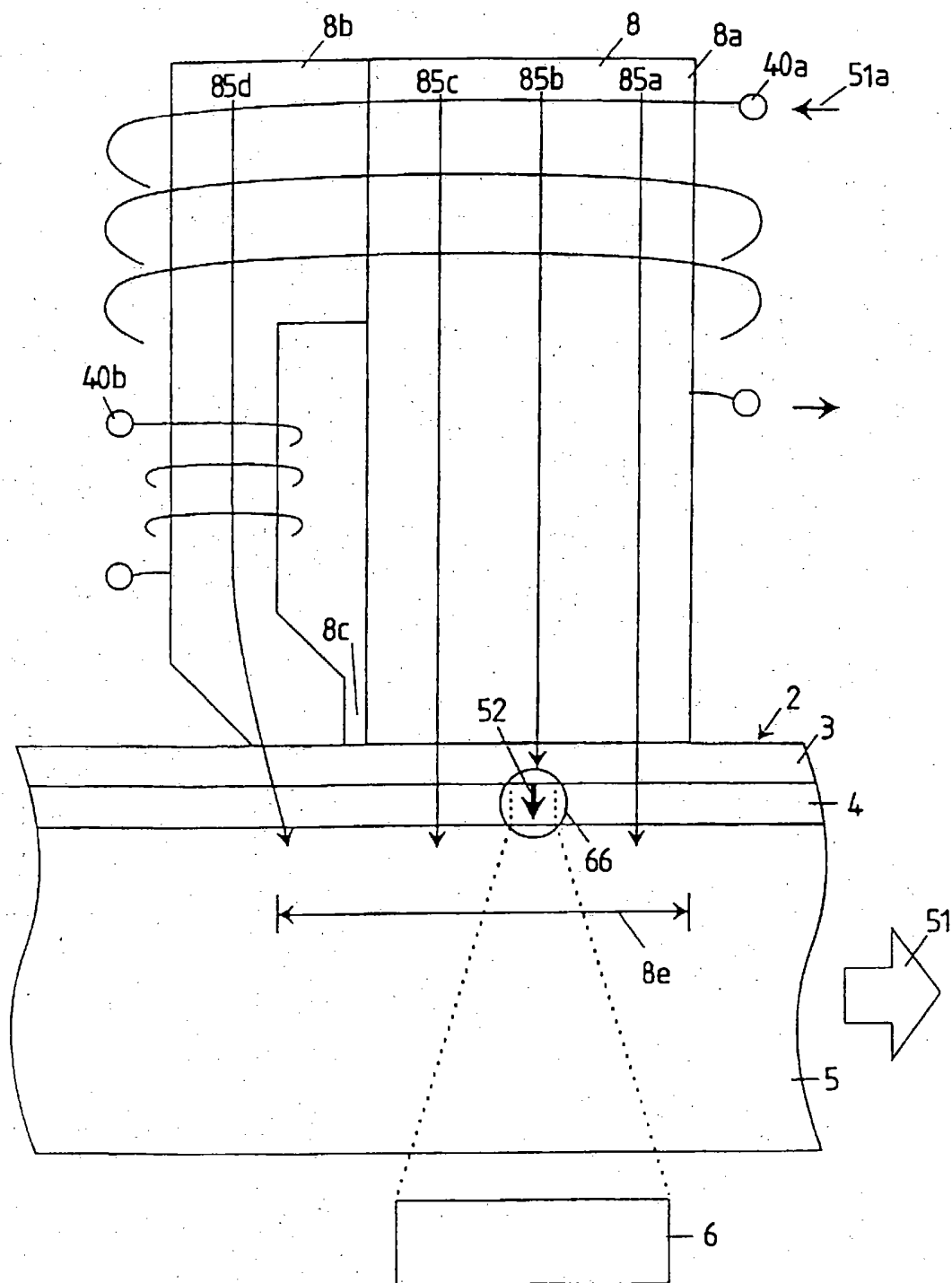


FIG. 35

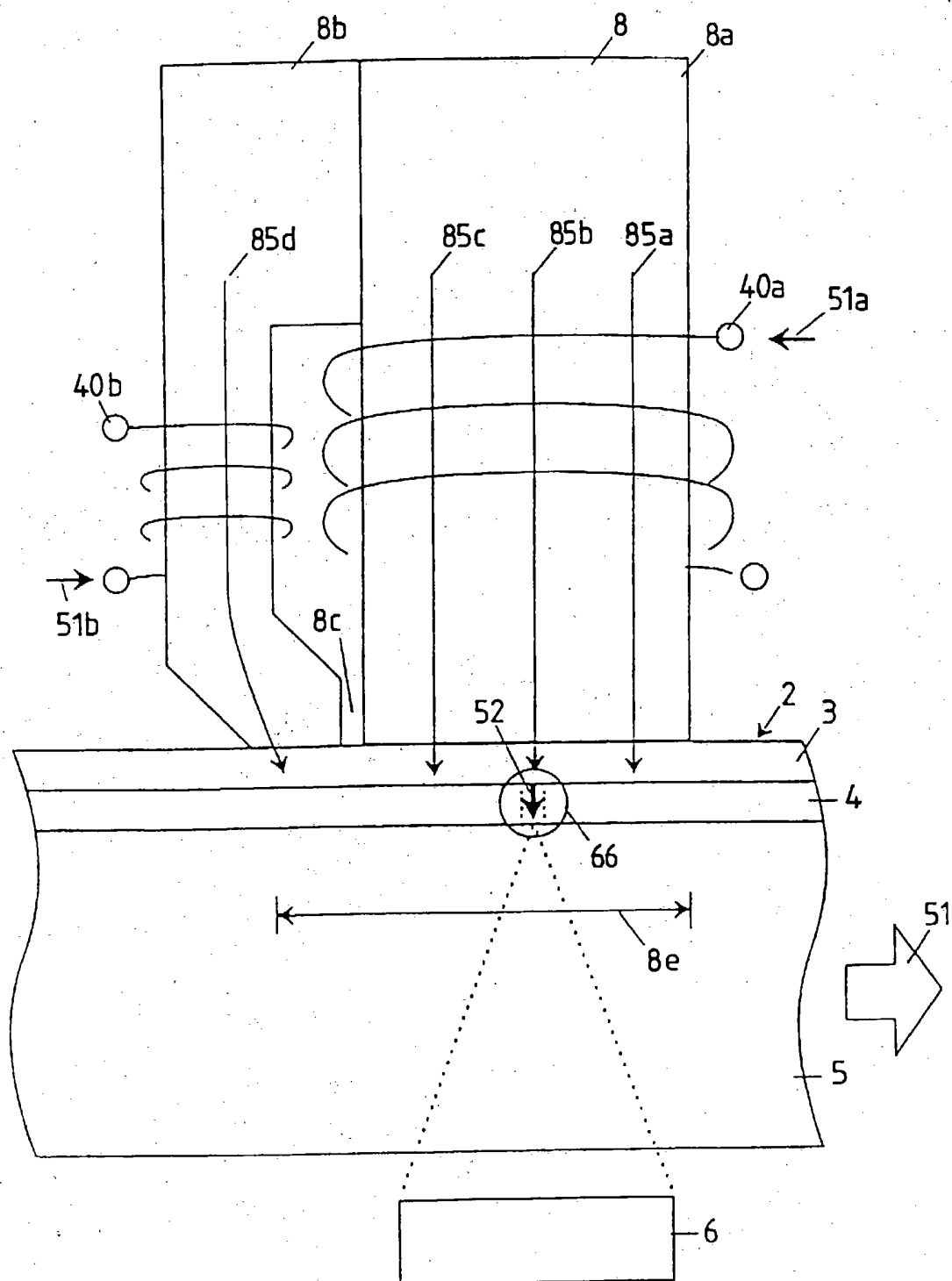


FIG. 36

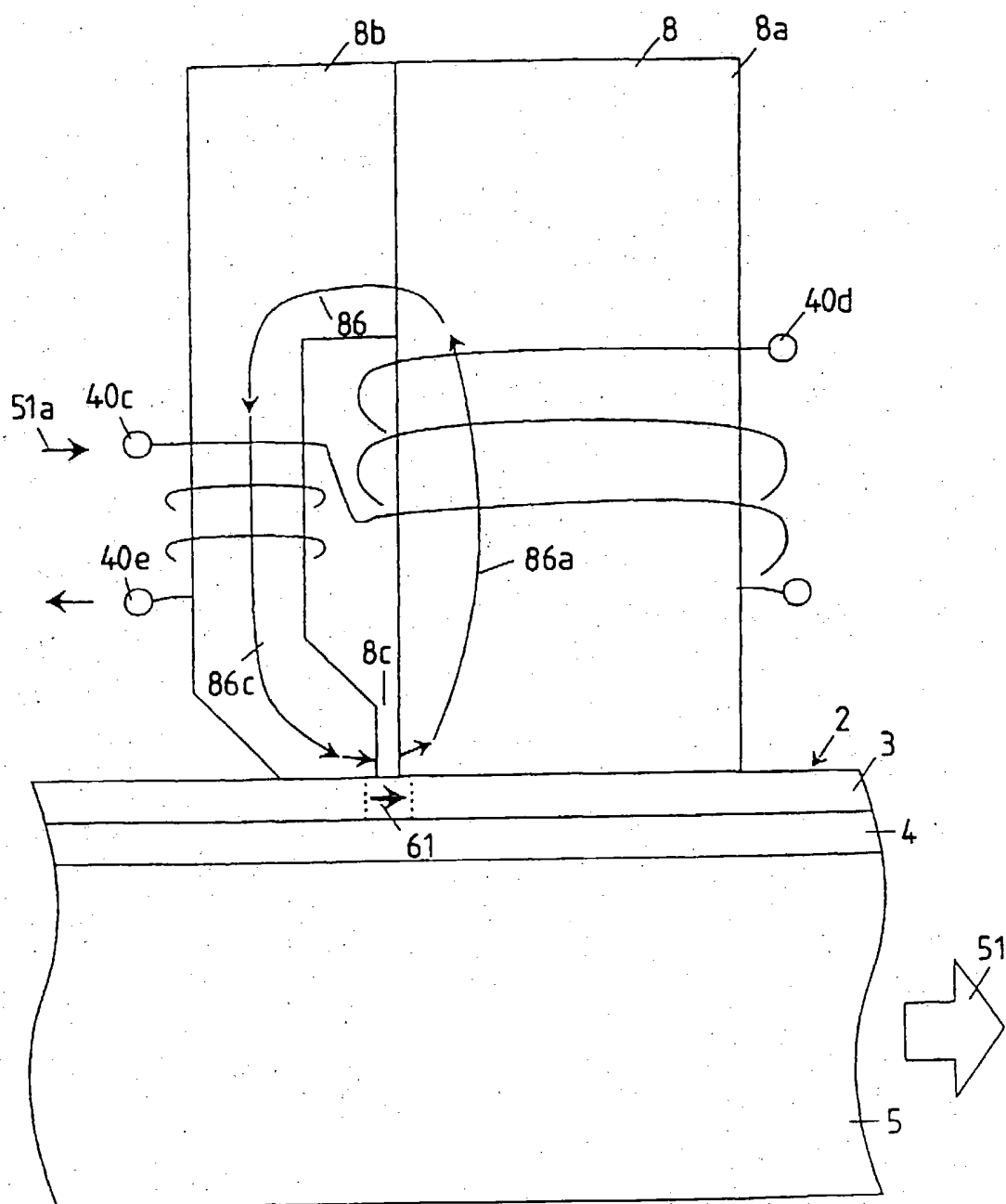


FIG. 37

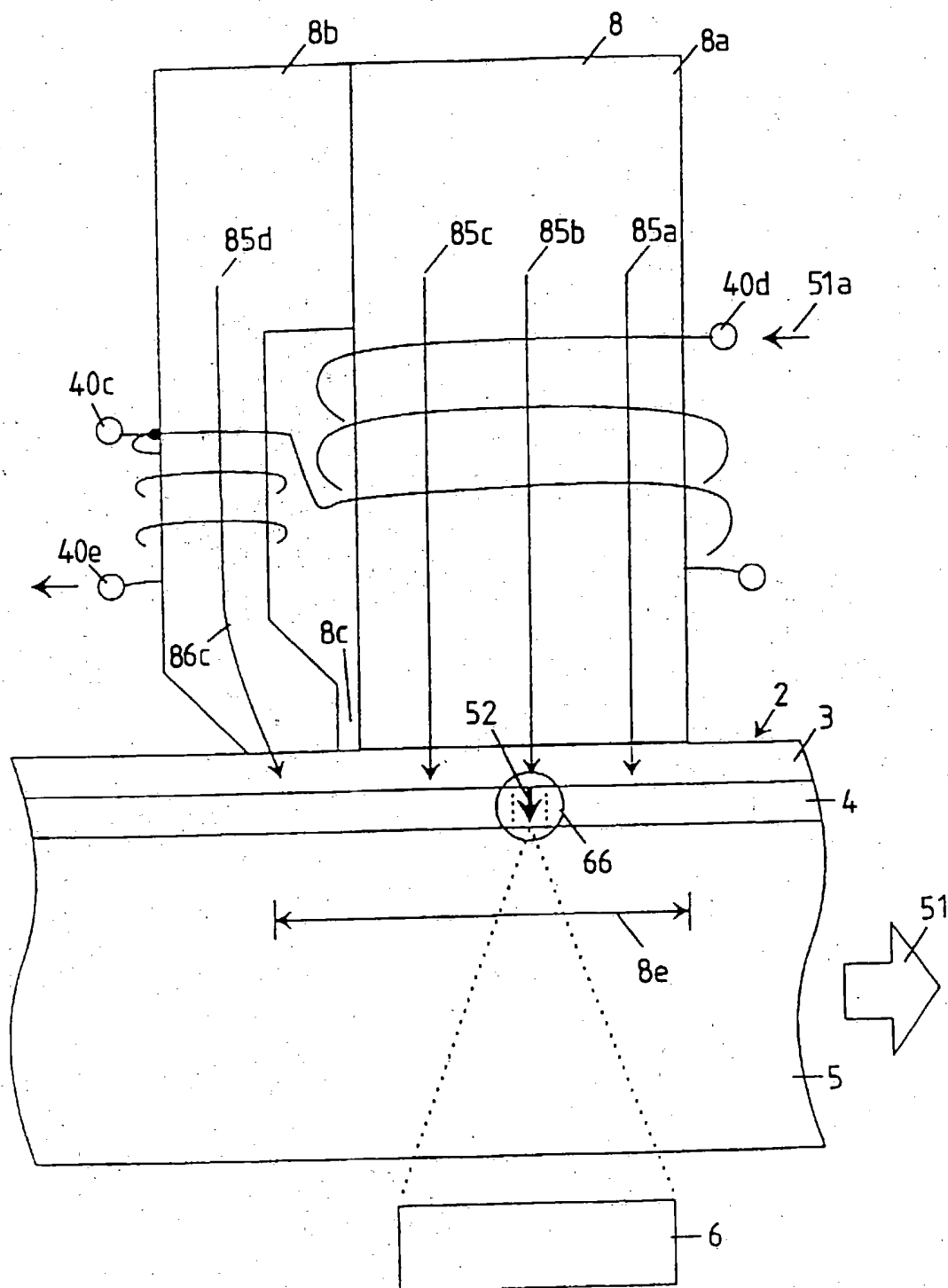


FIG. 38

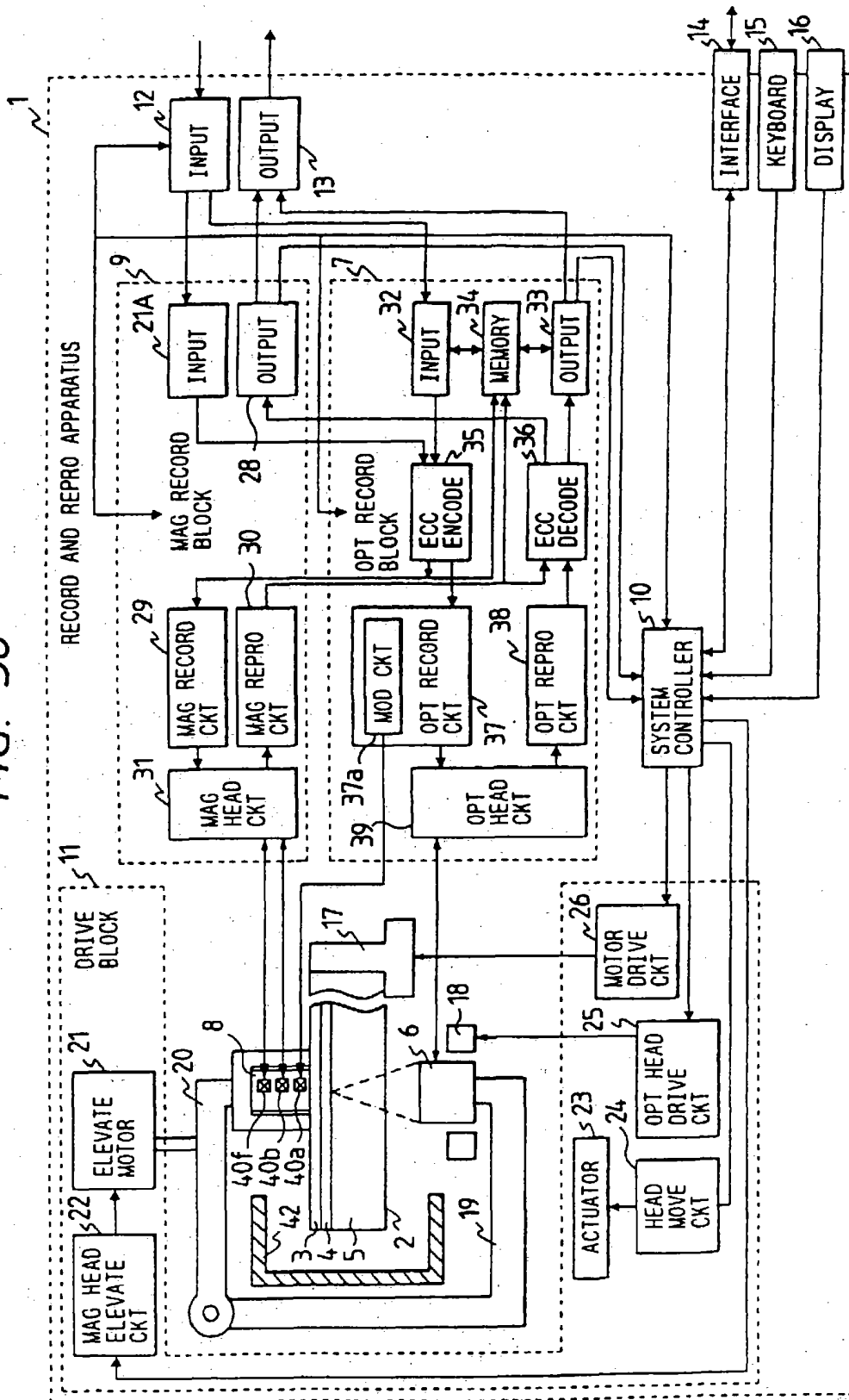


FIG. 39

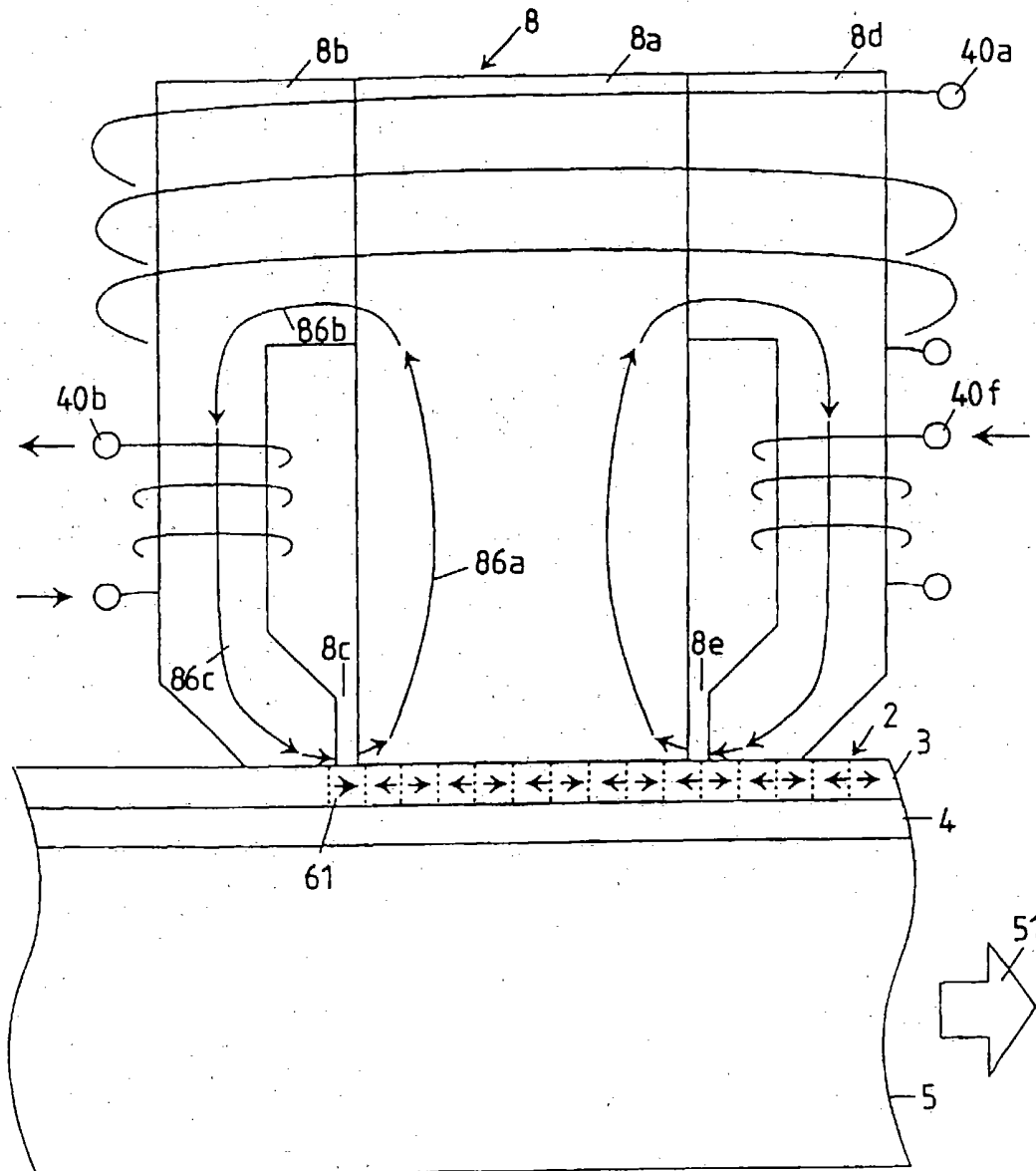


FIG. 40

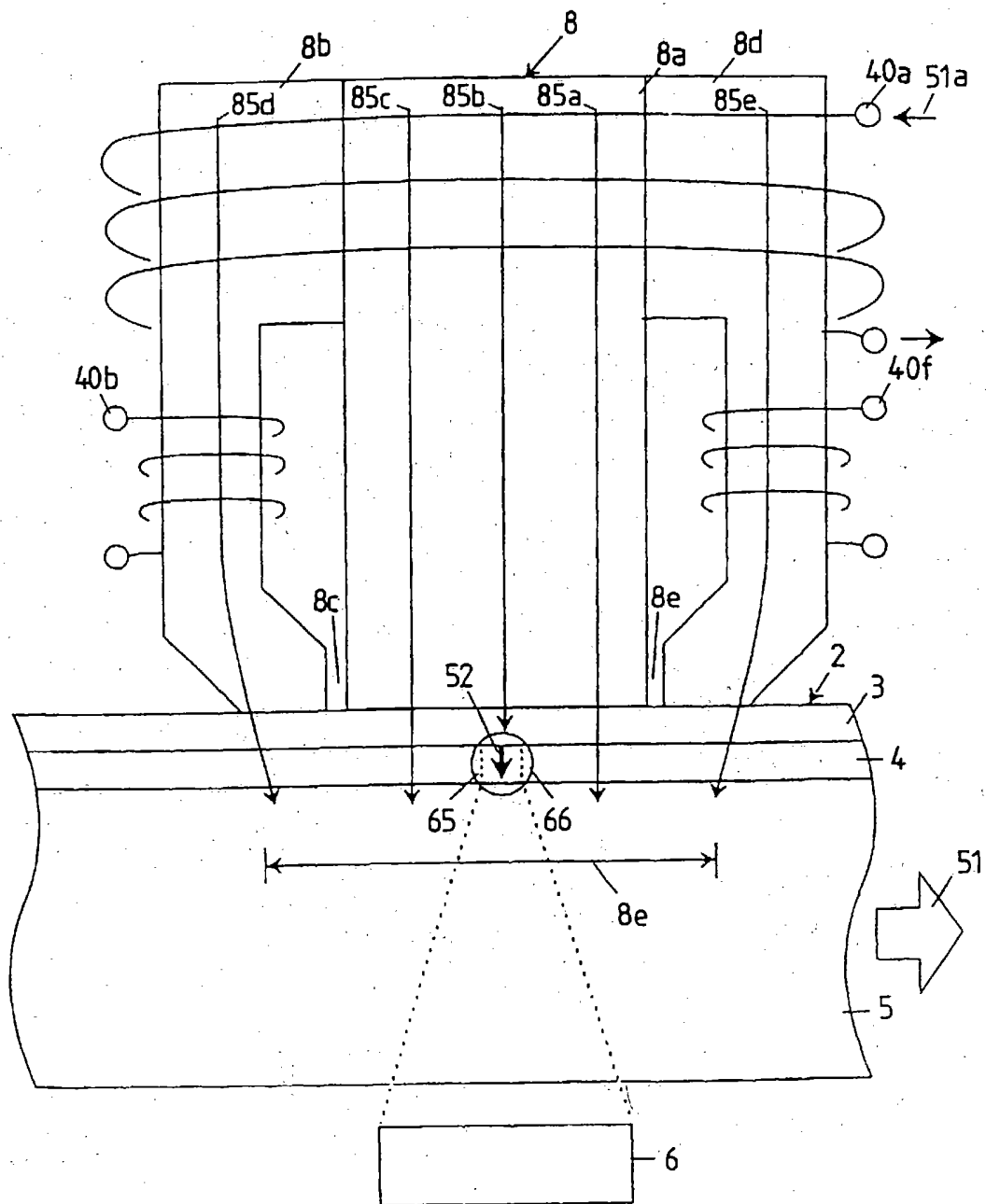




FIG. 41

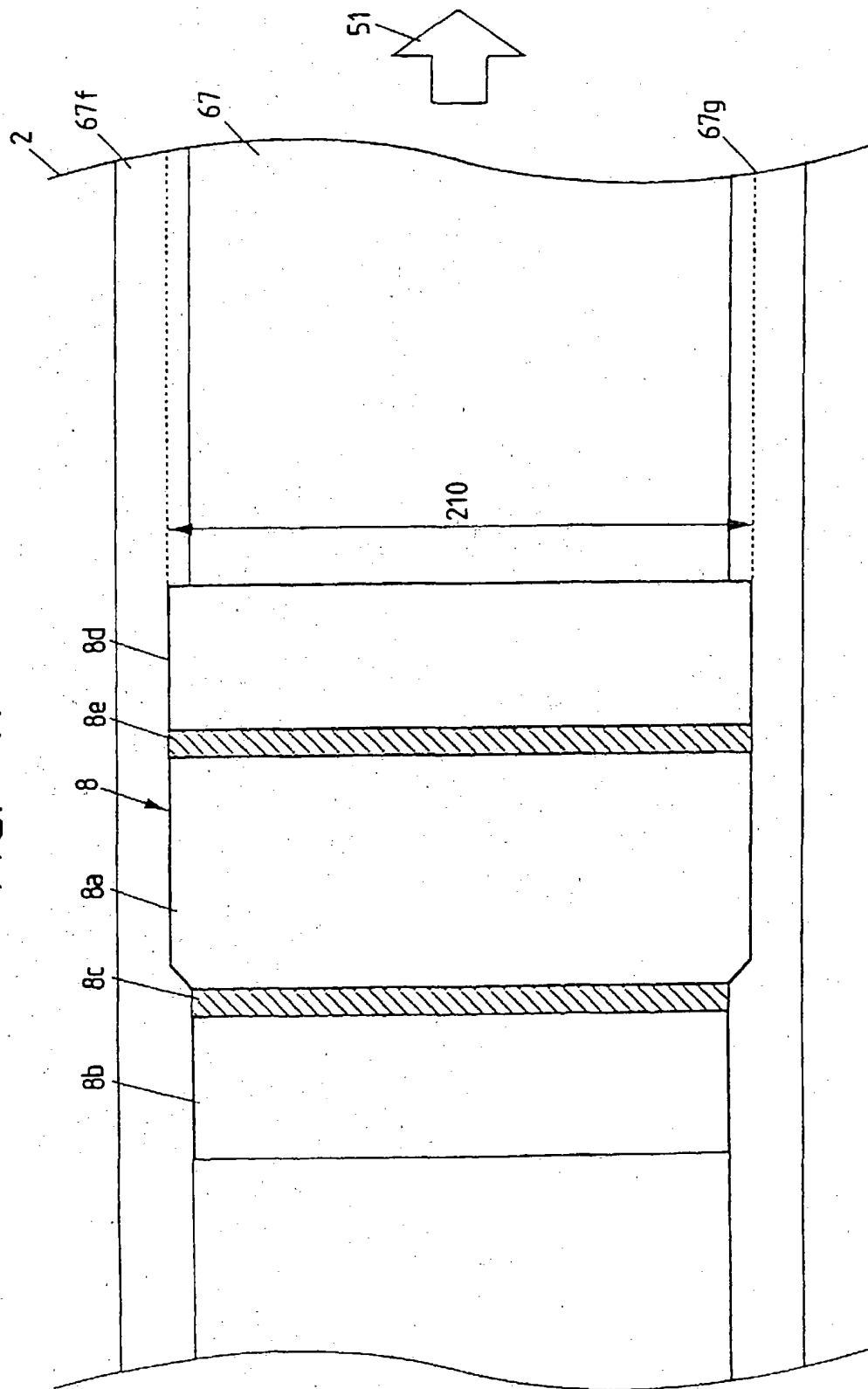


FIG. 42

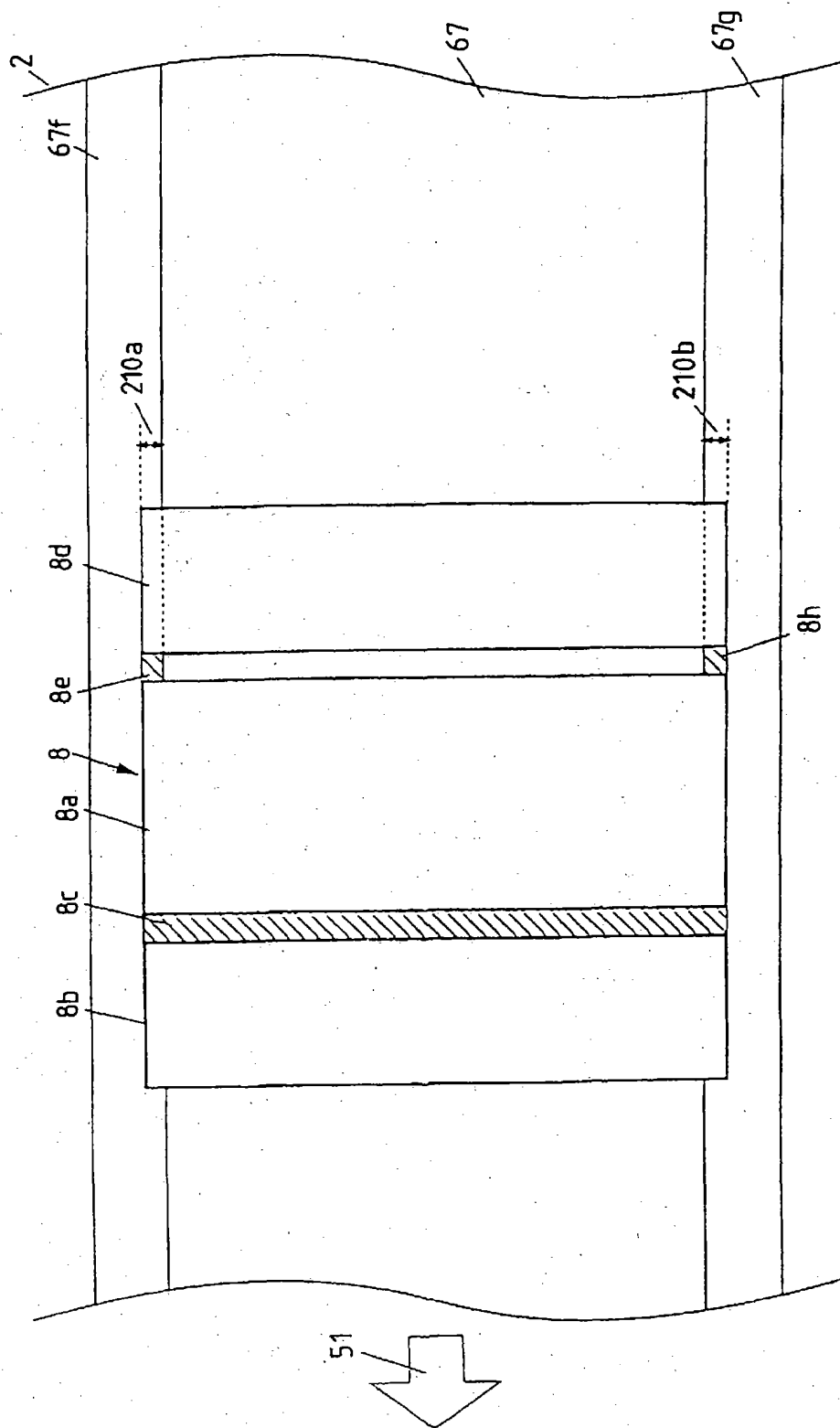


FIG. 43

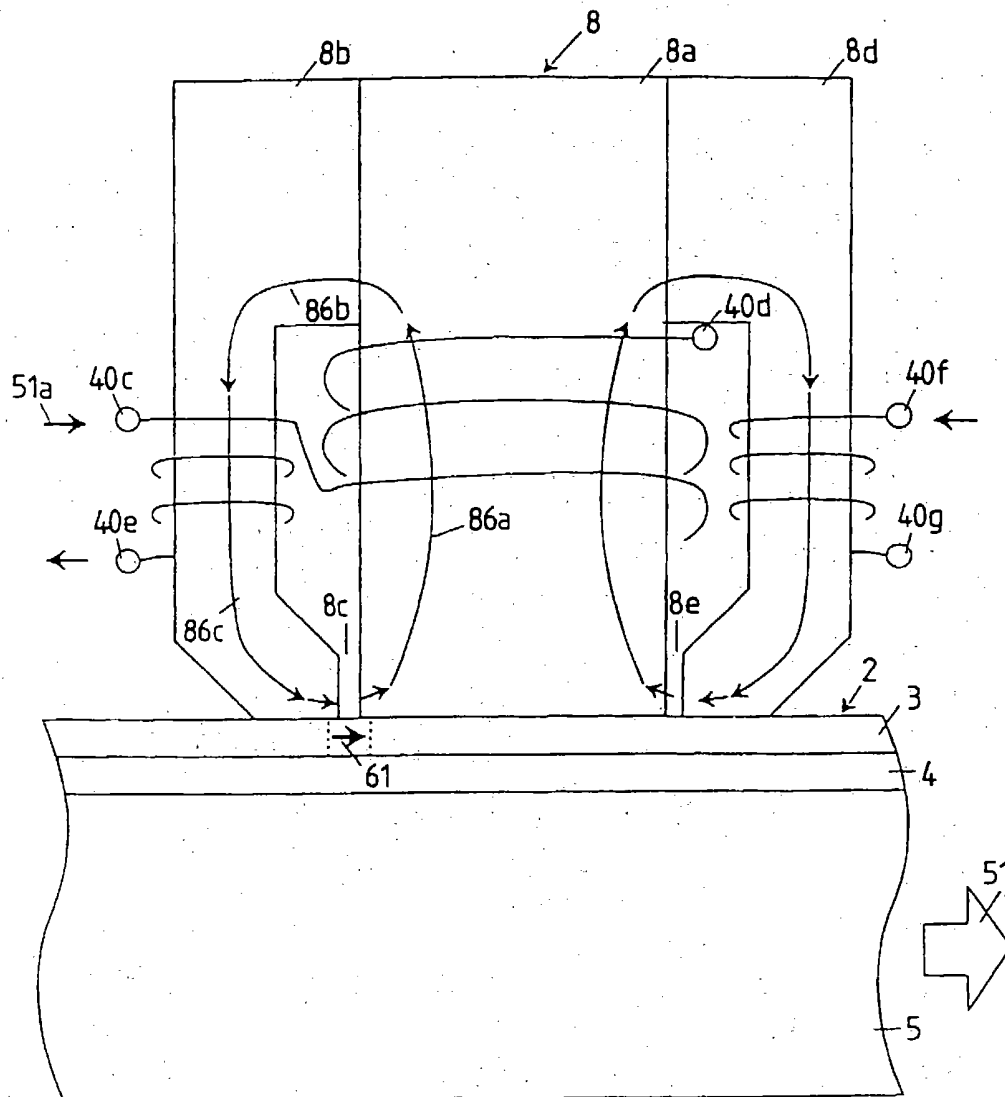


FIG. 44

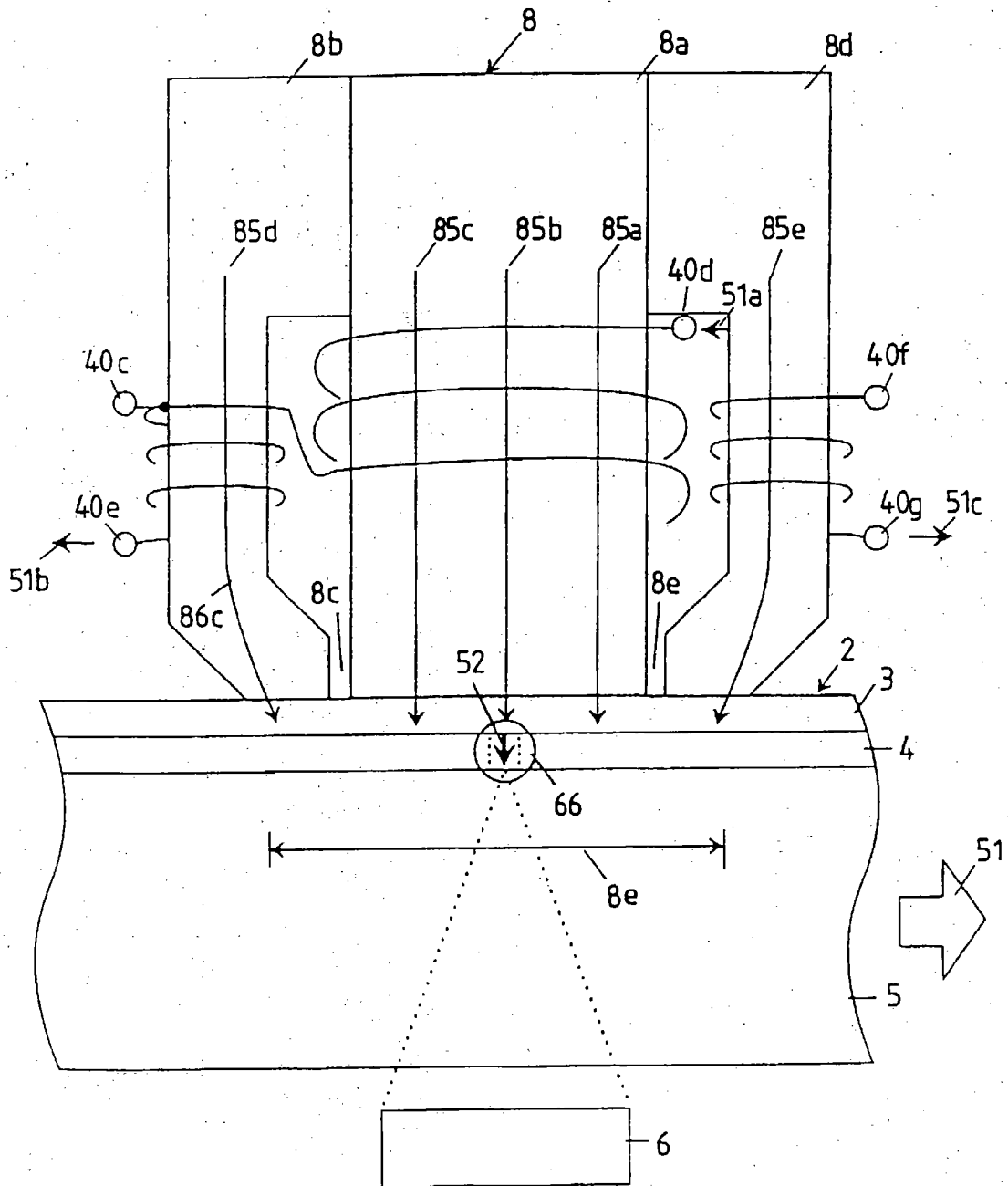


FIG. 45(a)

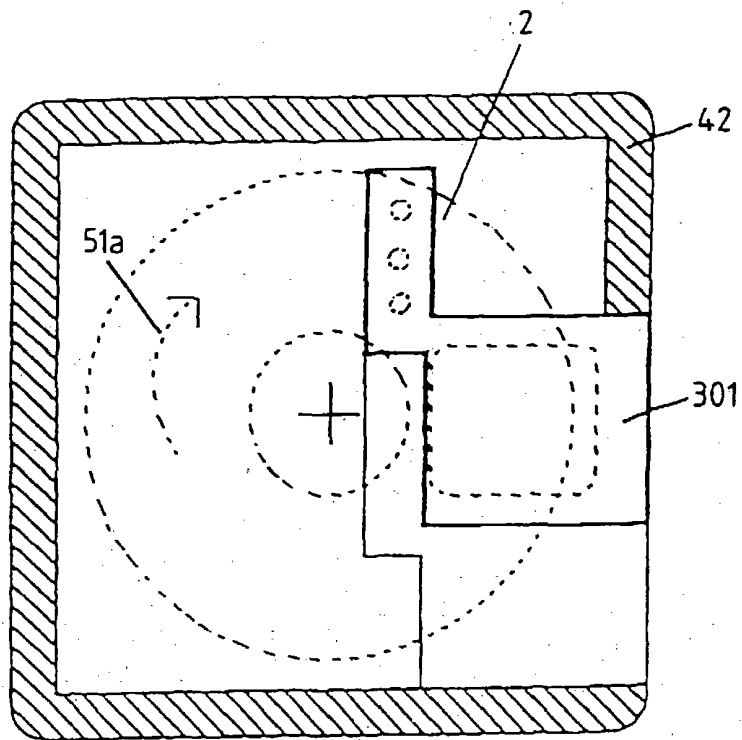


FIG. 45(b)

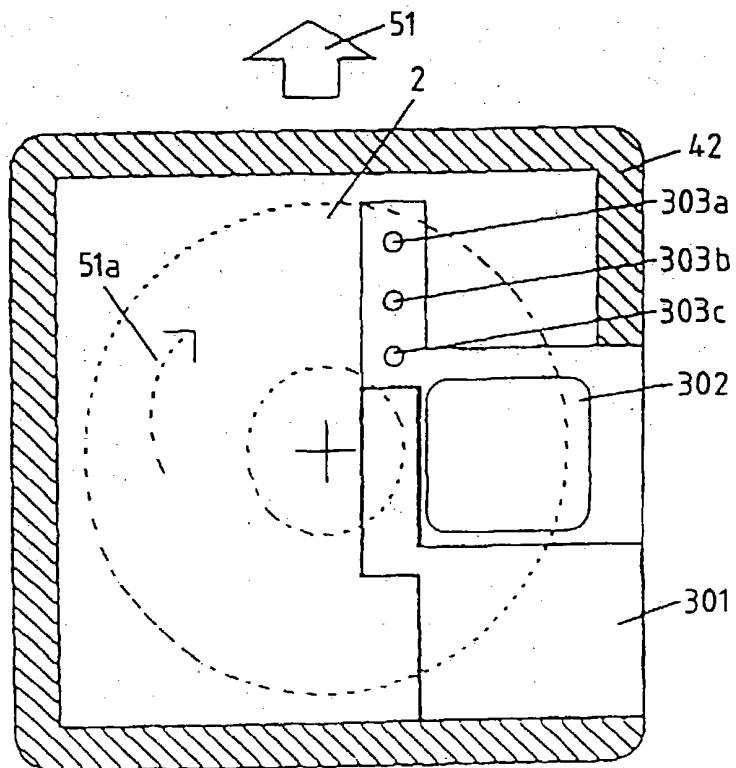


FIG. 46(a)

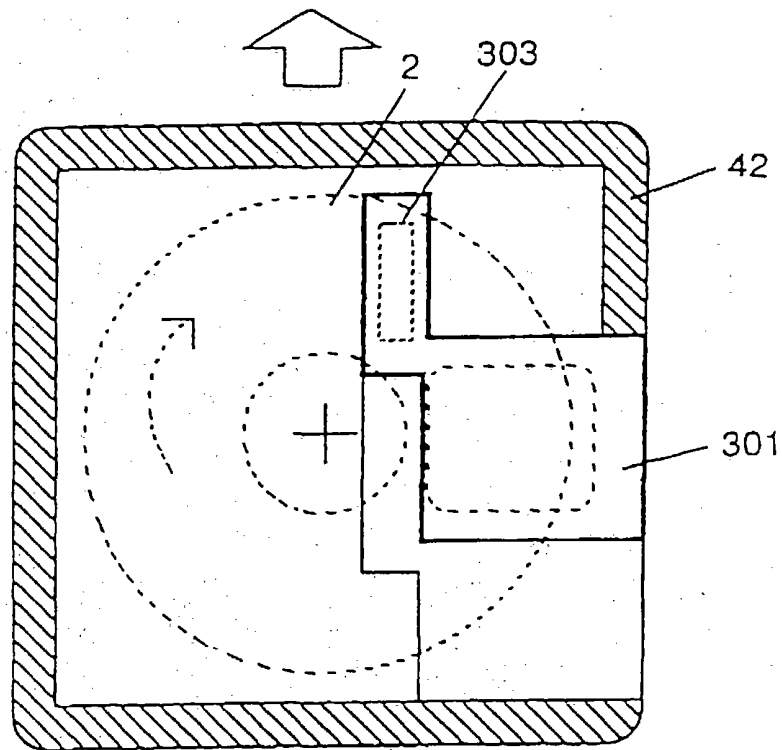


FIG. 46(b)

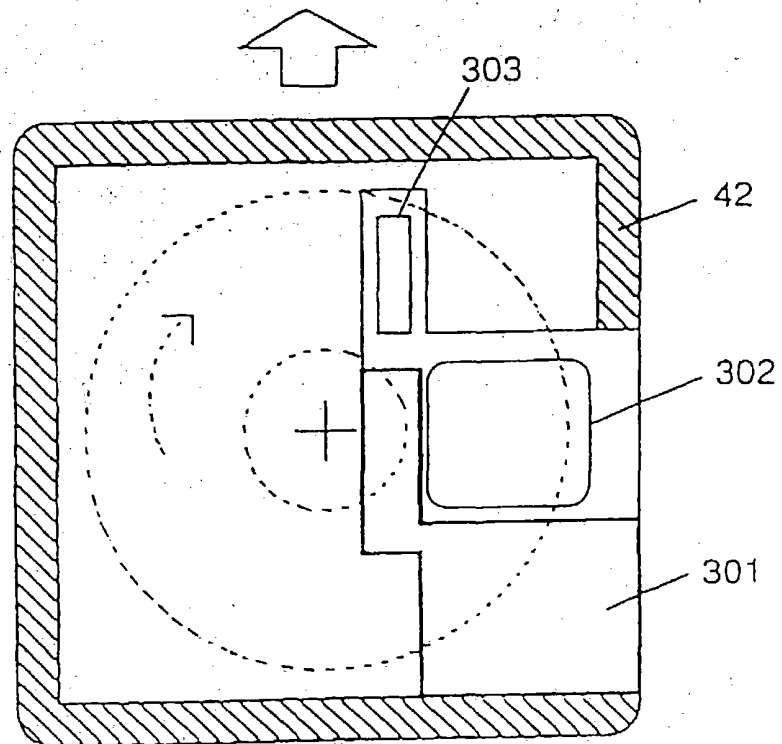


FIG. 47(a)

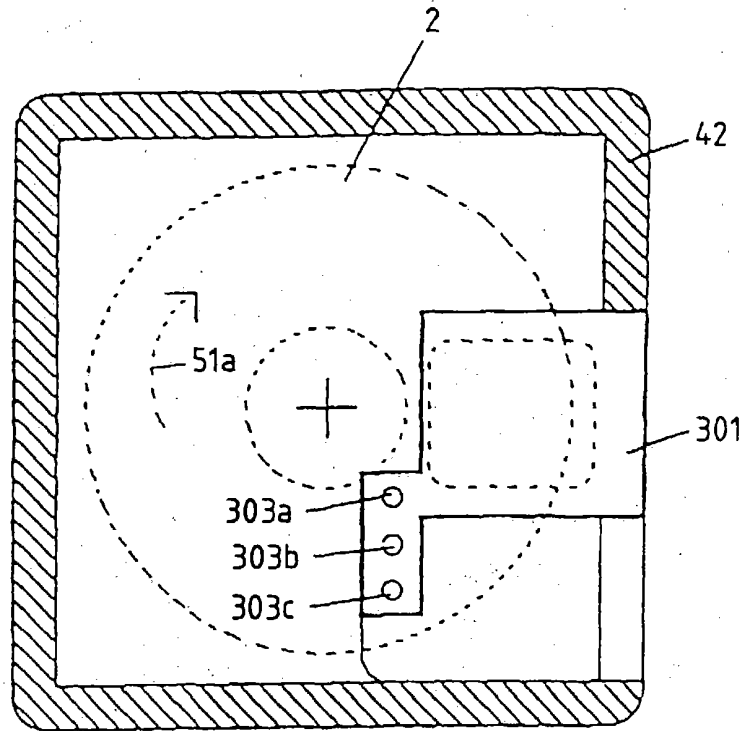


FIG. 47(b)

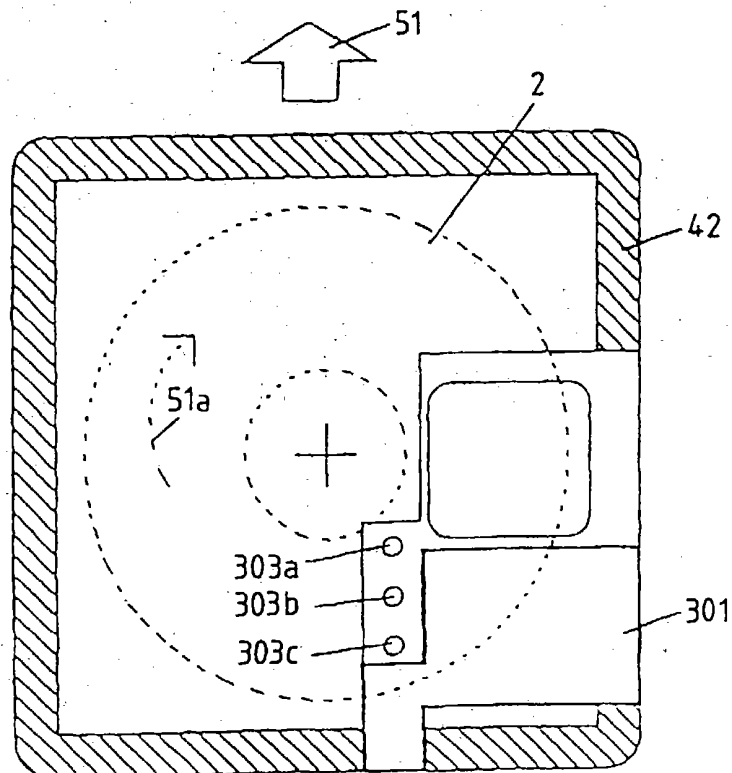




FIG. 48(a)

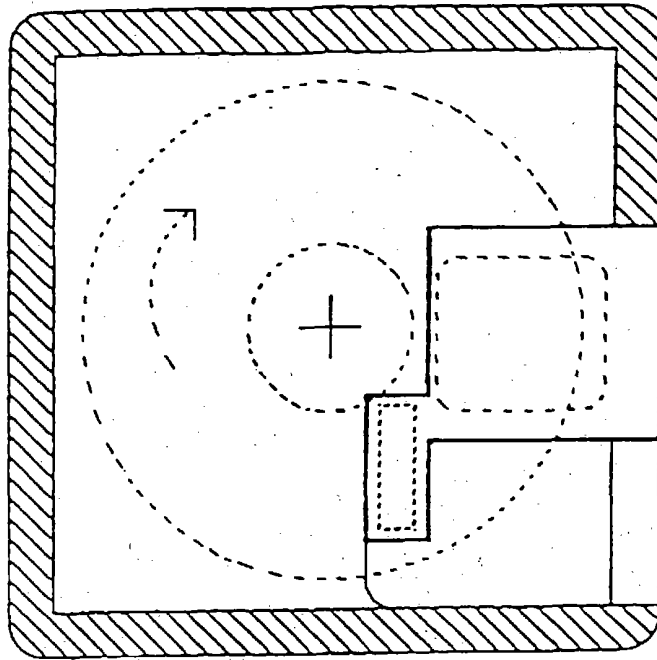


FIG. 48(b)

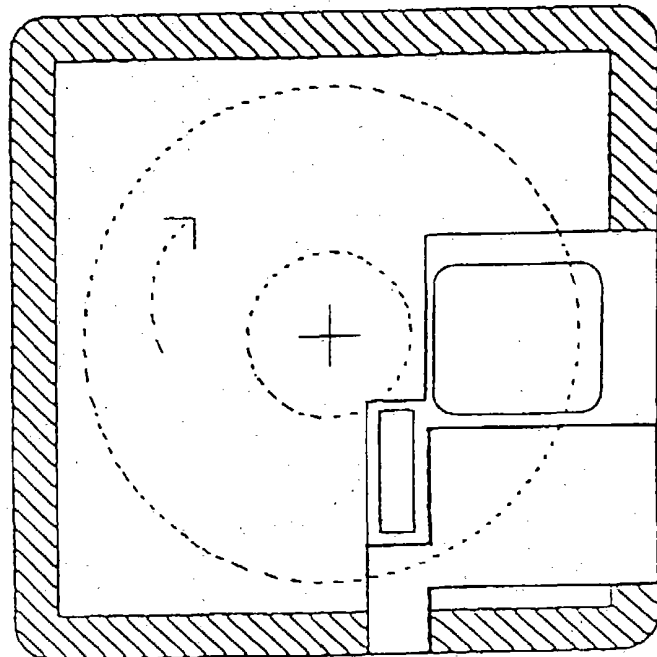




FIG. 49(a)

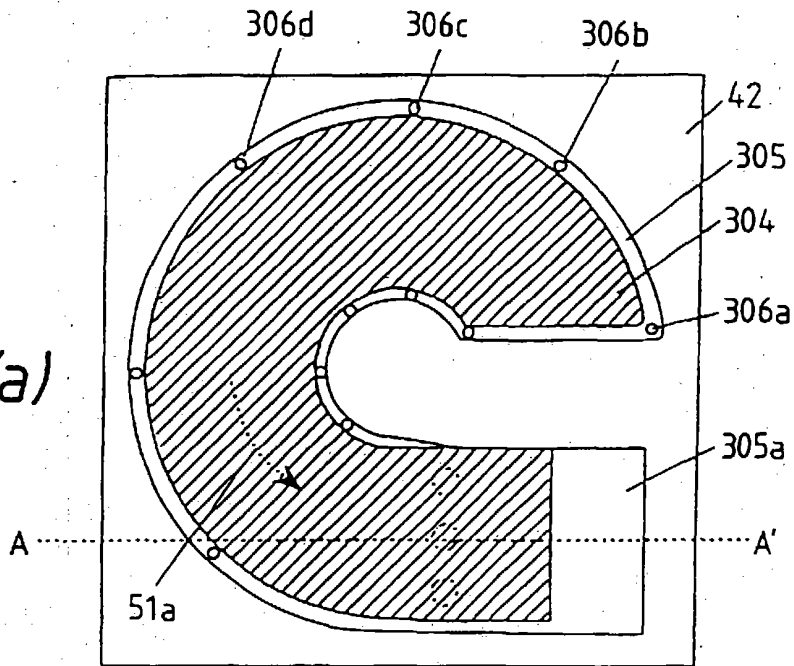


FIG. 49(b)

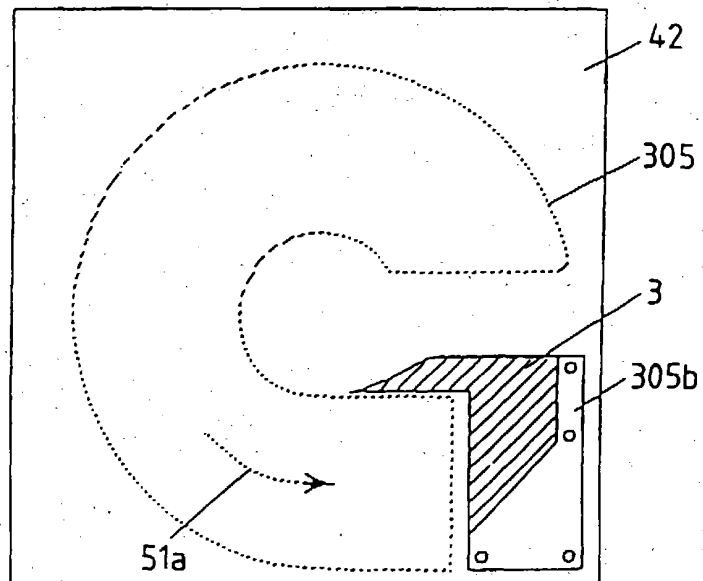


FIG. 49(c)

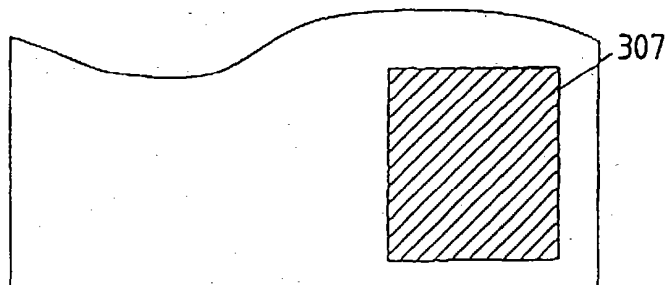


FIG. 50(a)

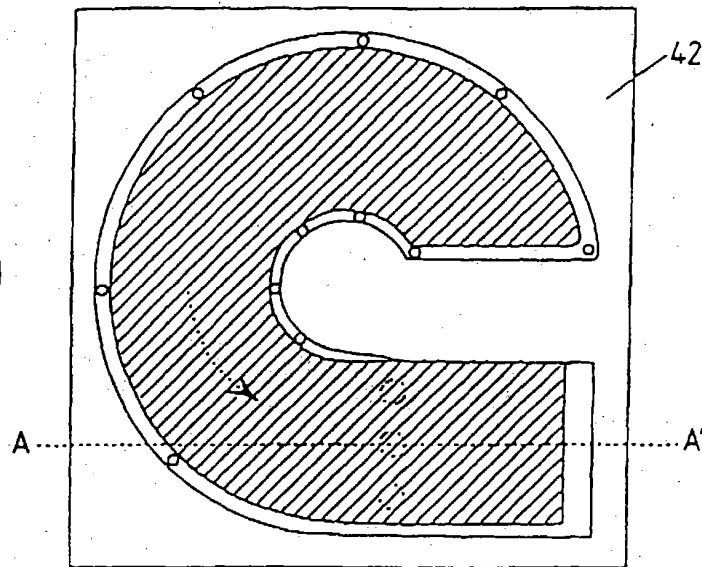


FIG. 50(b)

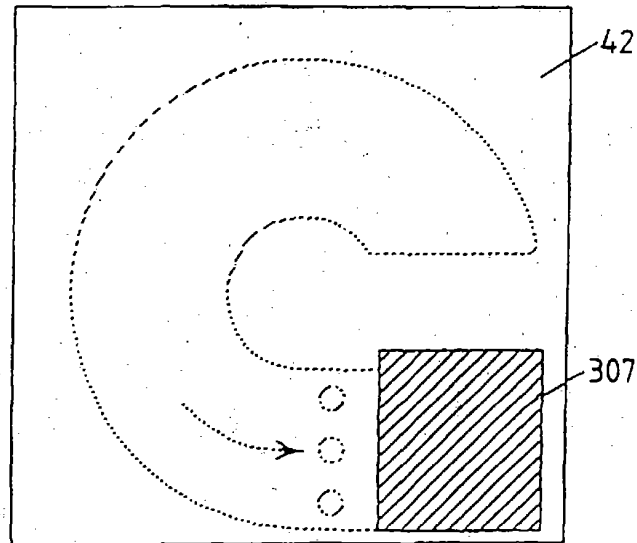


FIG. 50(c)

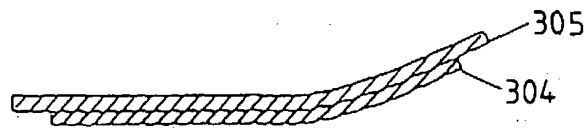
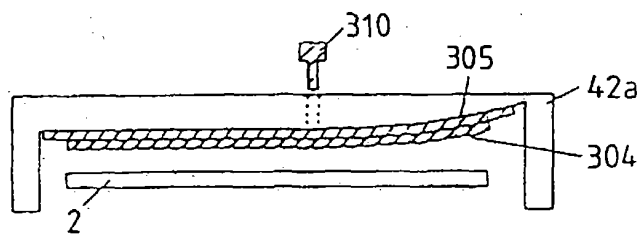


FIG. 50(d)



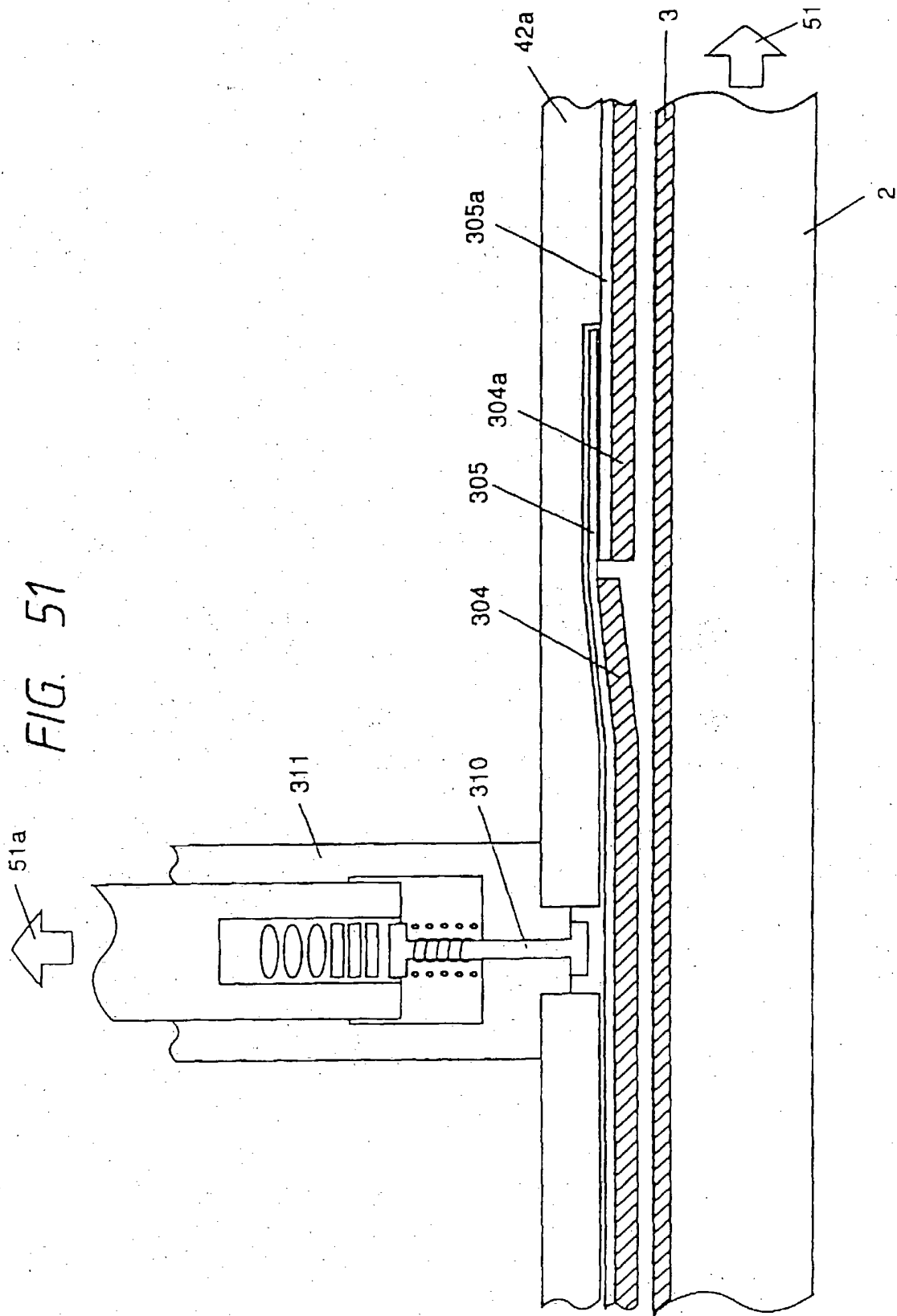
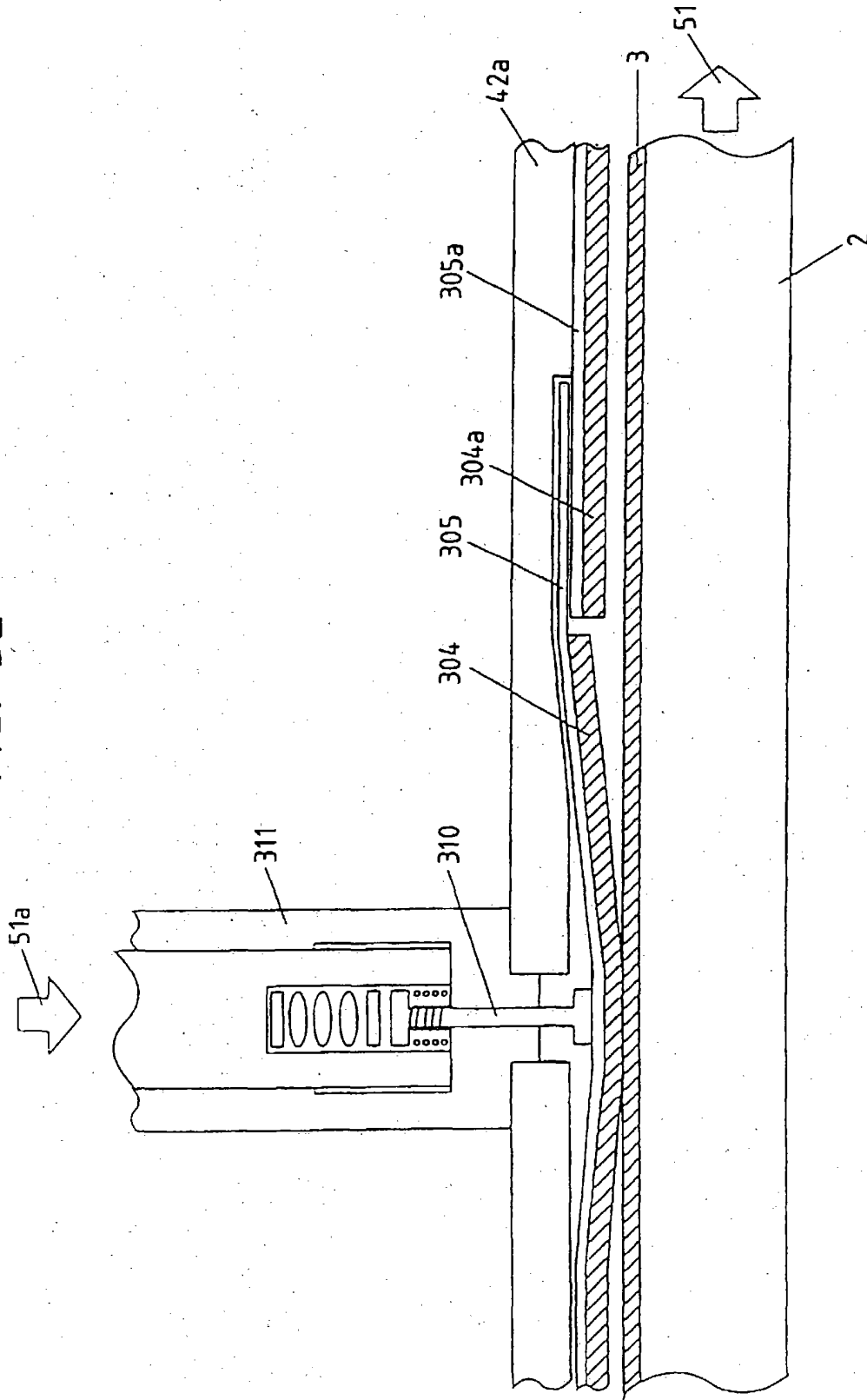


FIG. 52



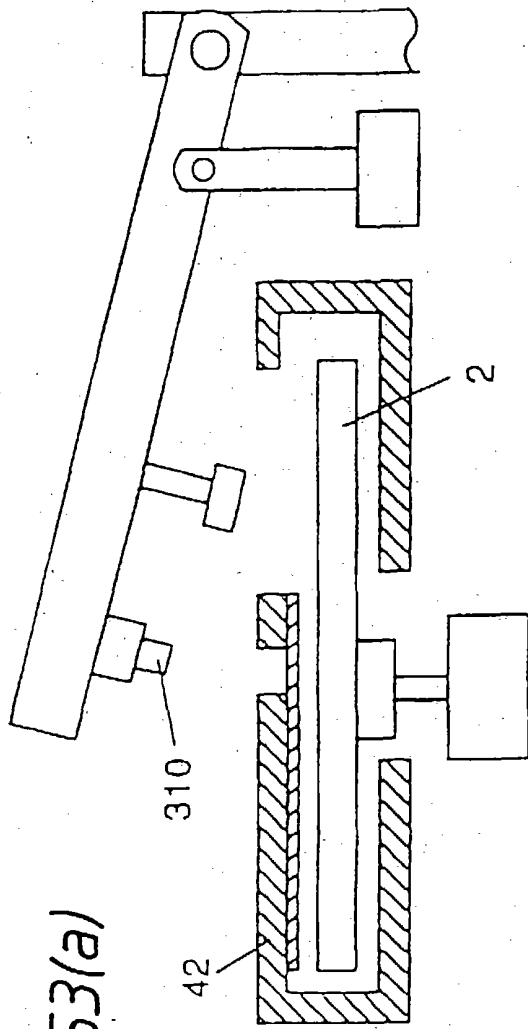


FIG. 53(a)

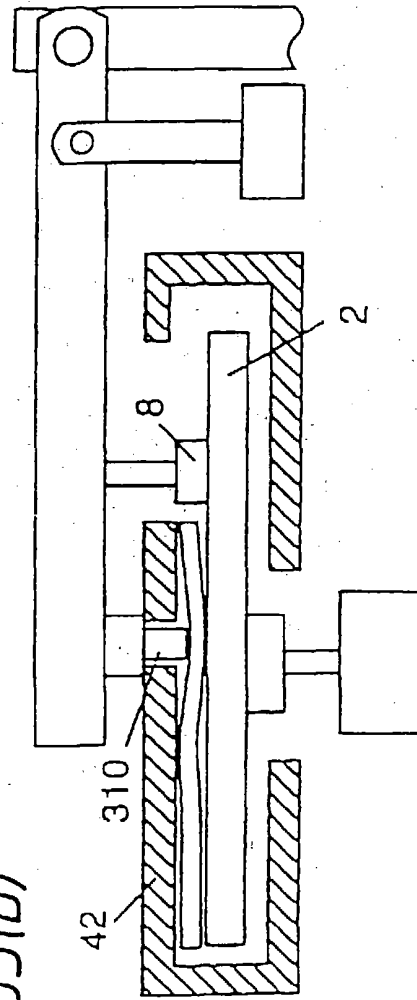


FIG. 53(b)

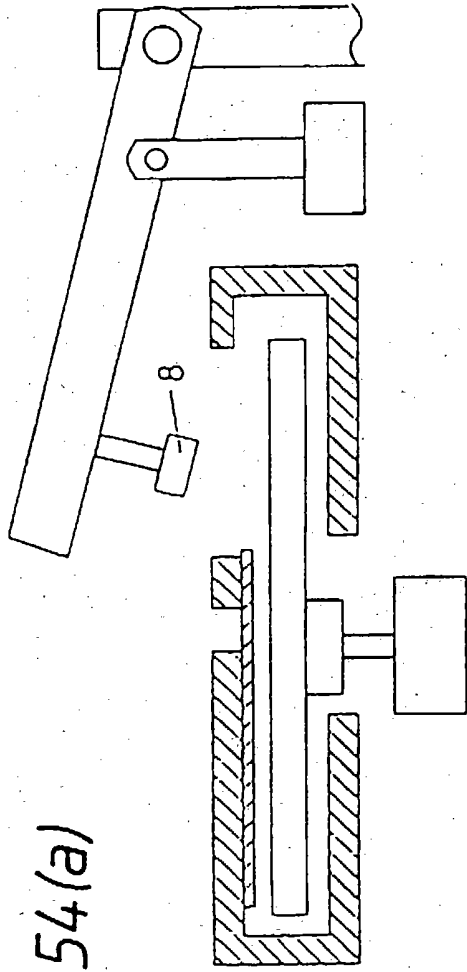


FIG. 54(a)

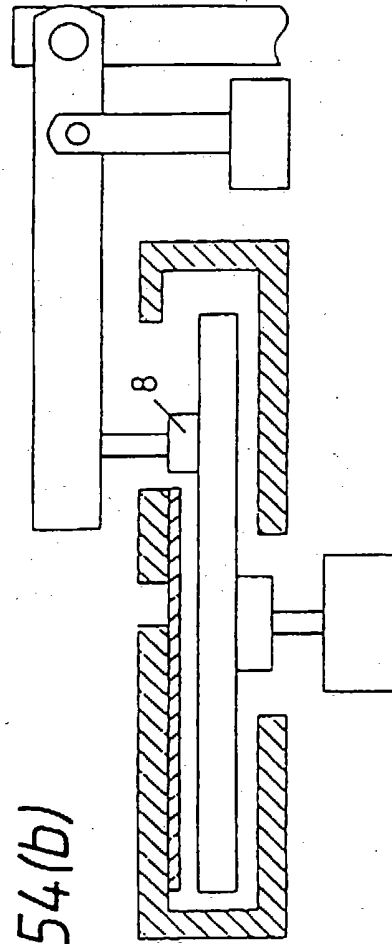


FIG. 54(b)

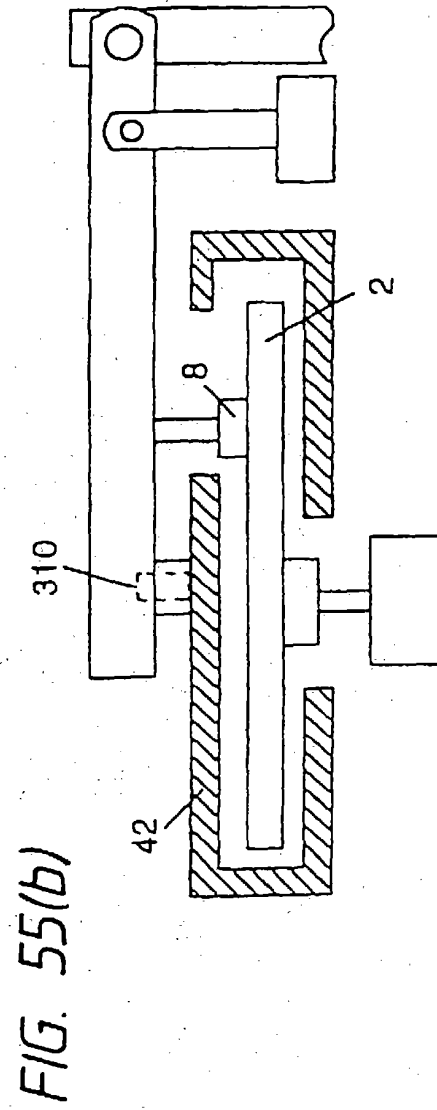
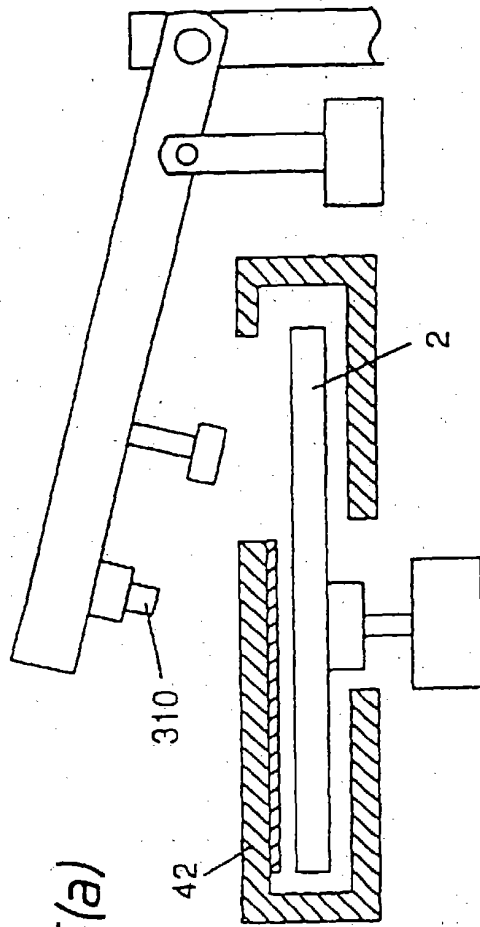
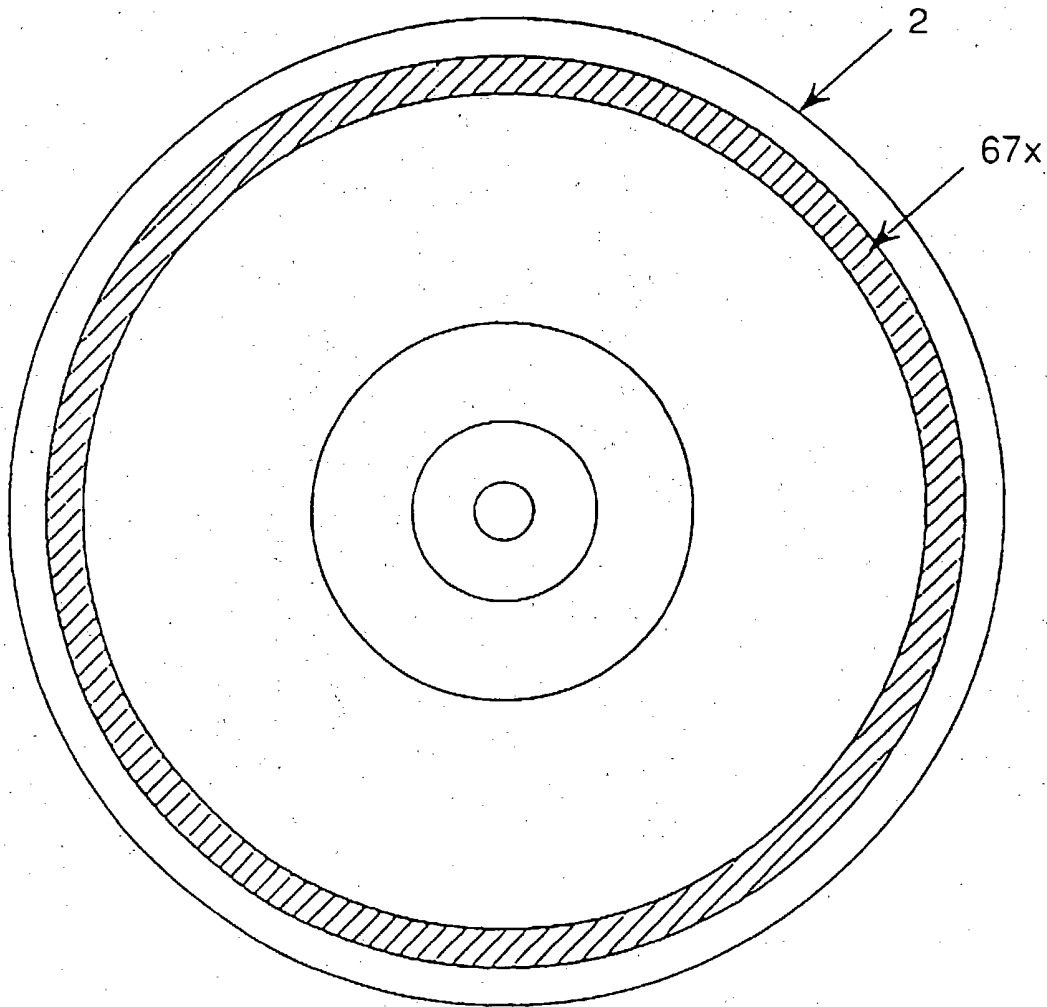
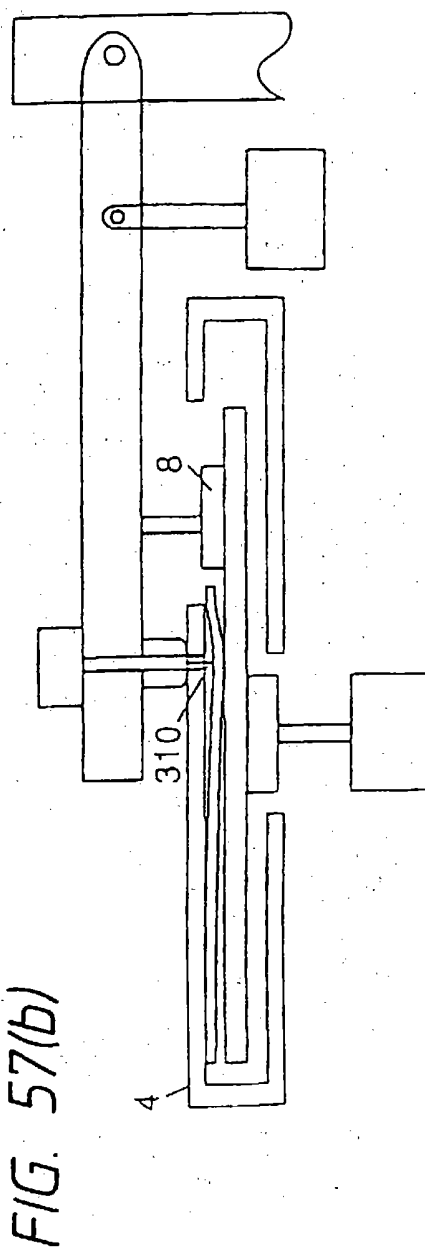
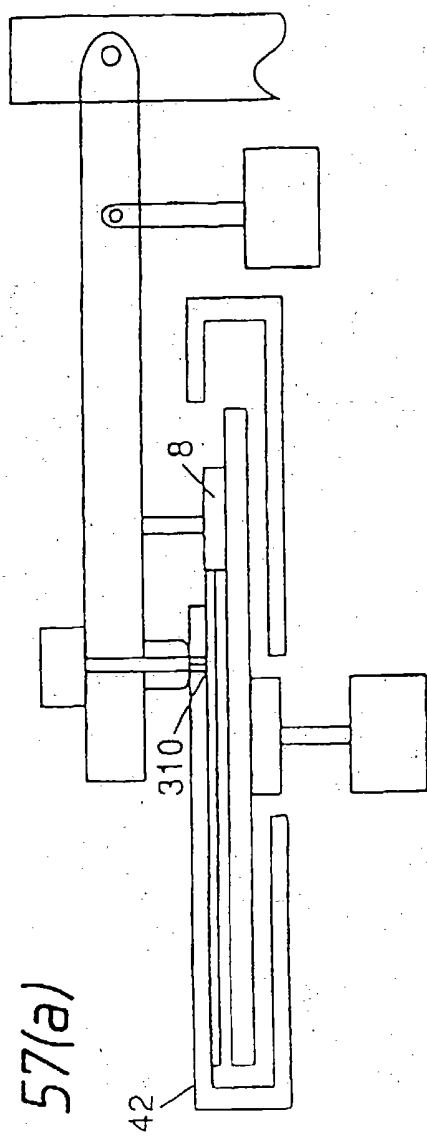
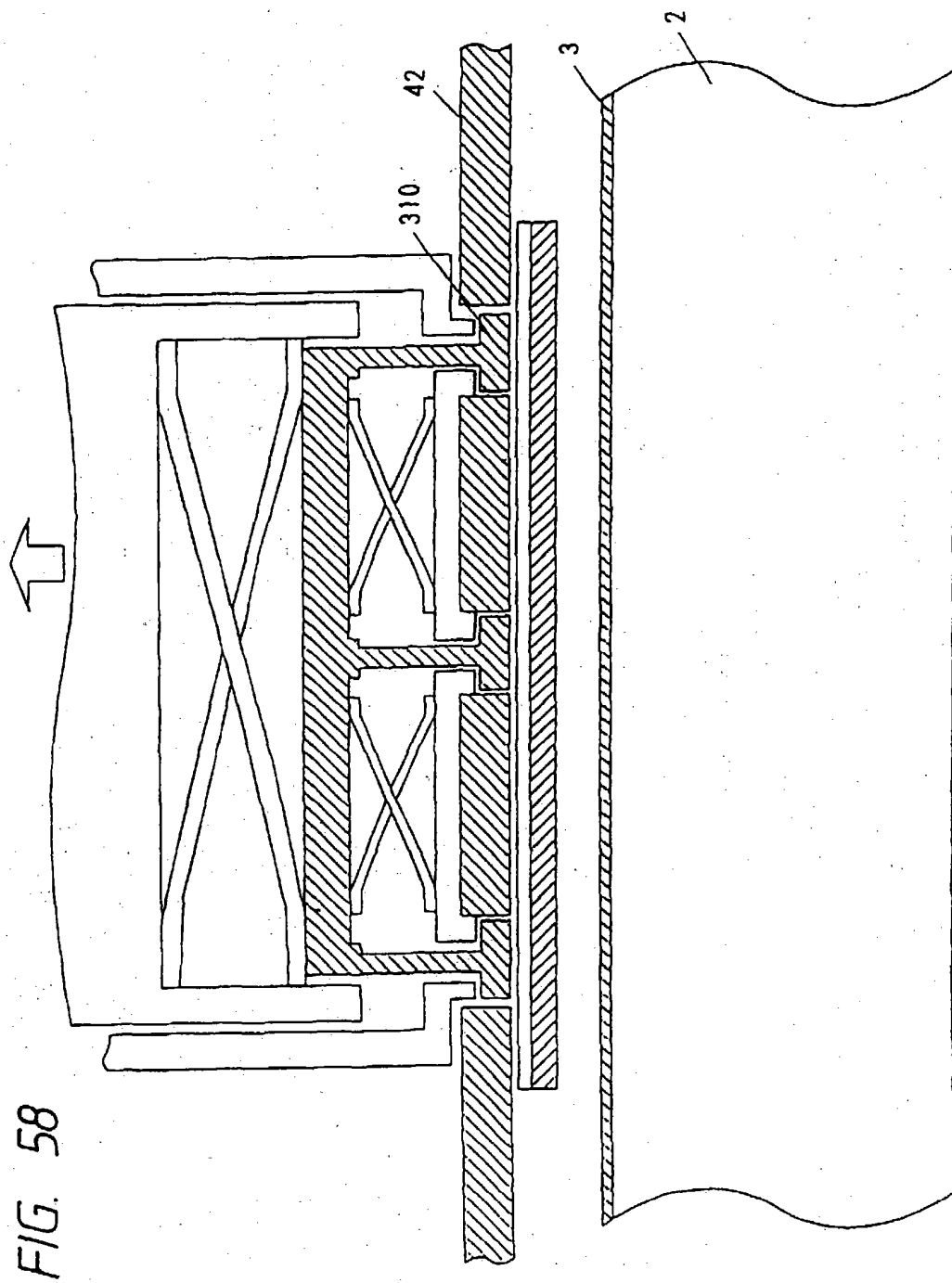


FIG. 56









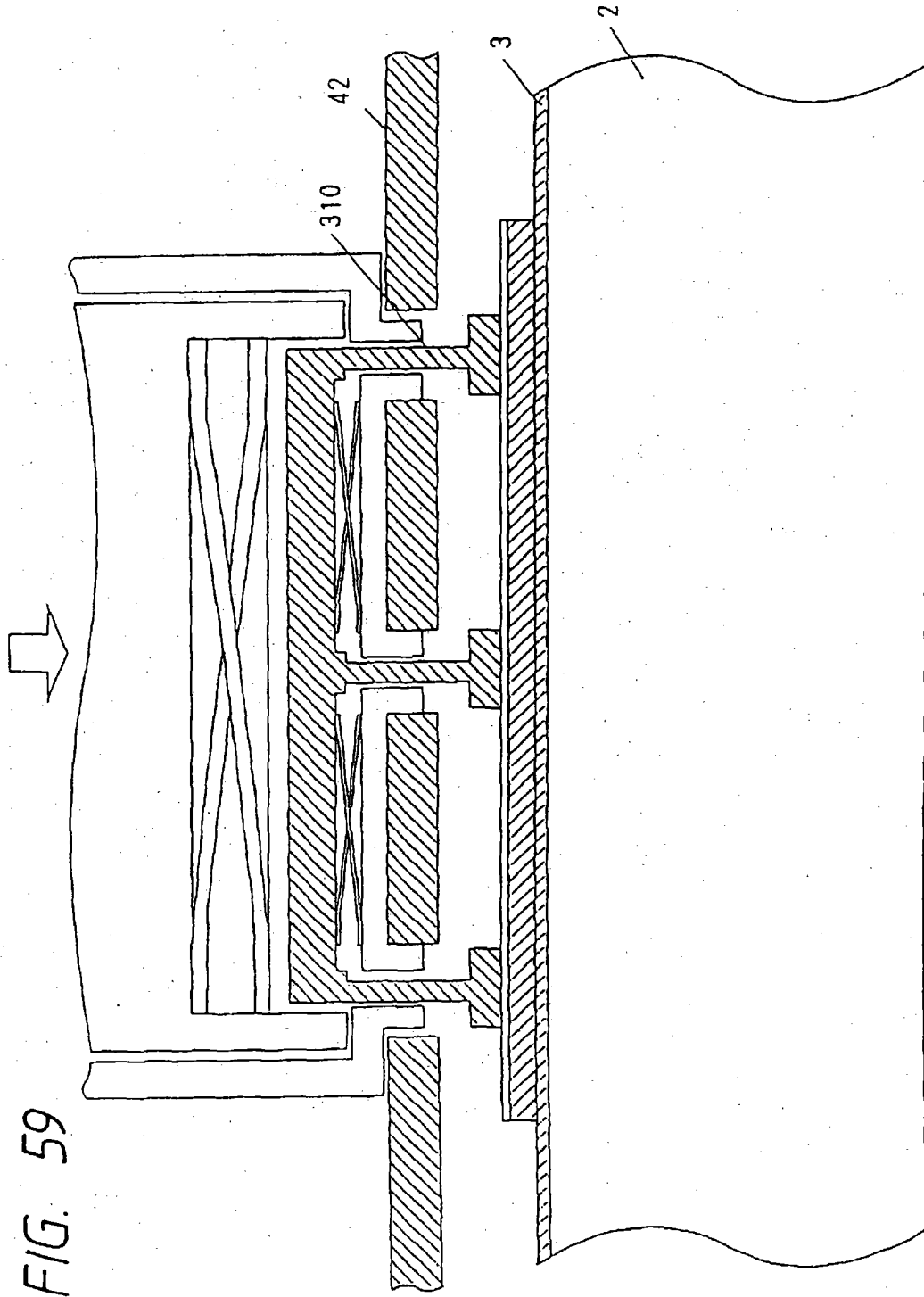


FIG. 60

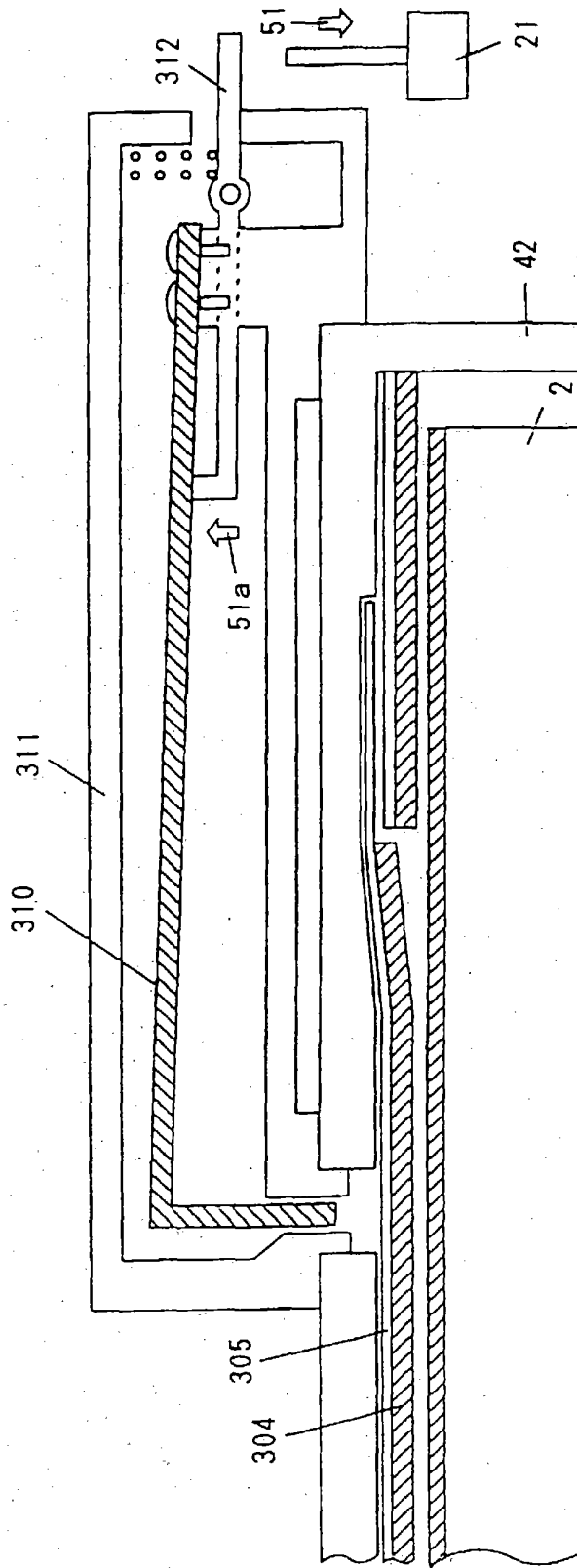


FIG. 61

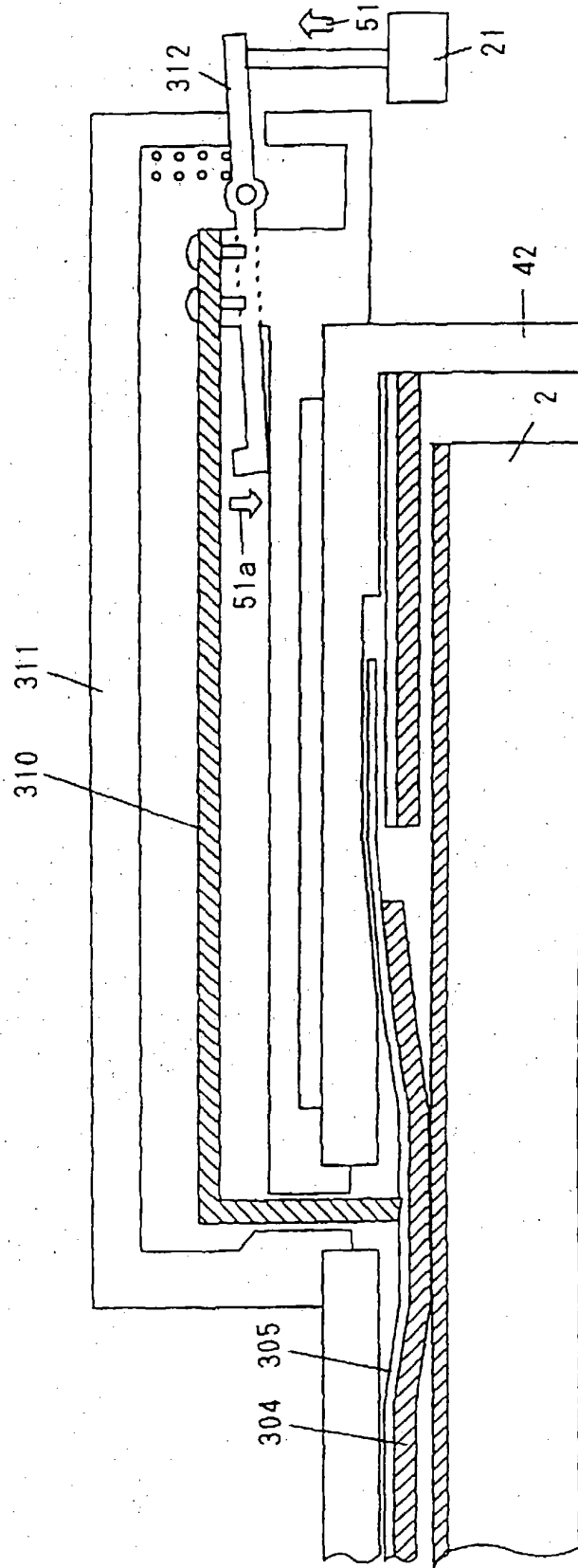


FIG. 62

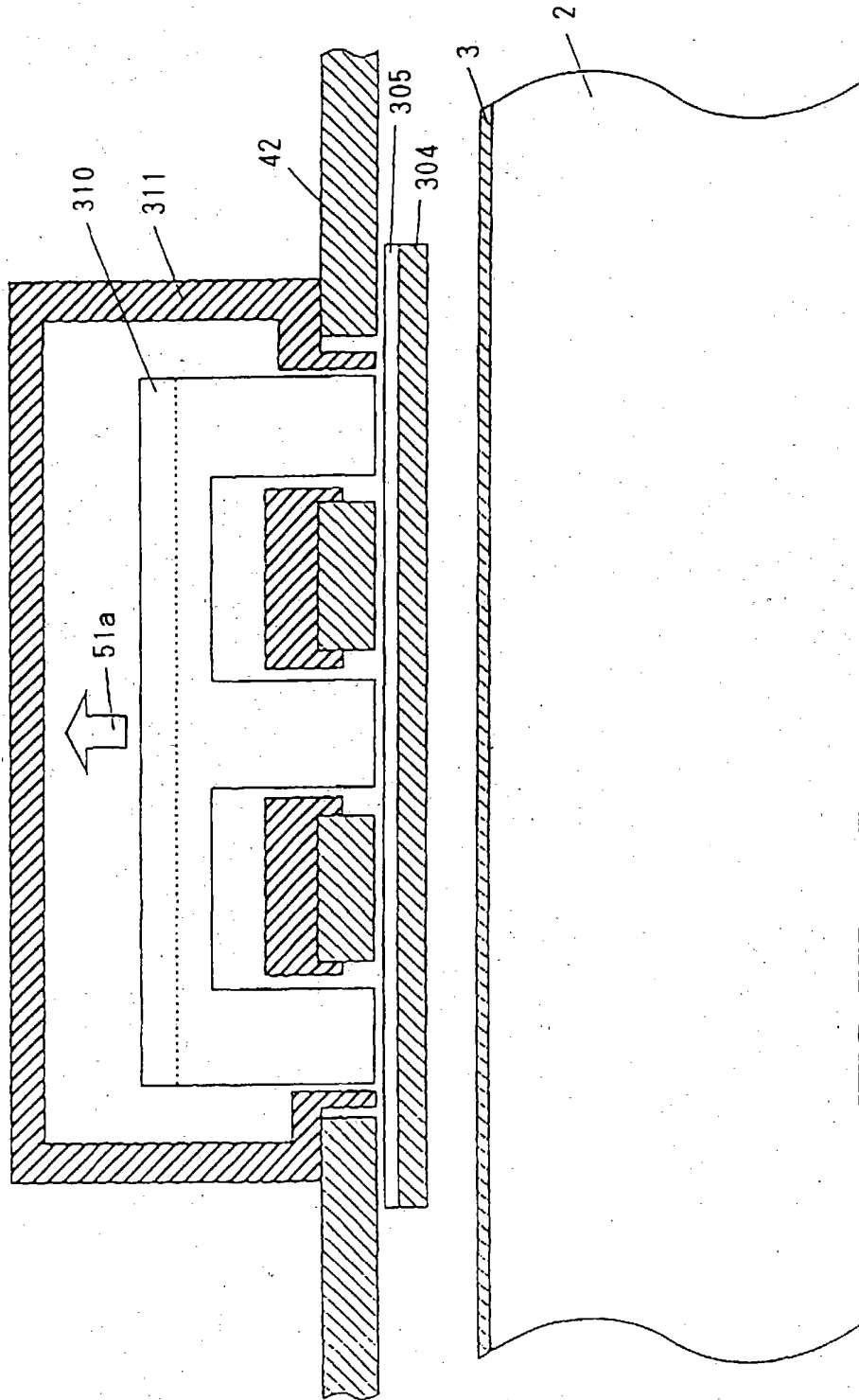


FIG. 63

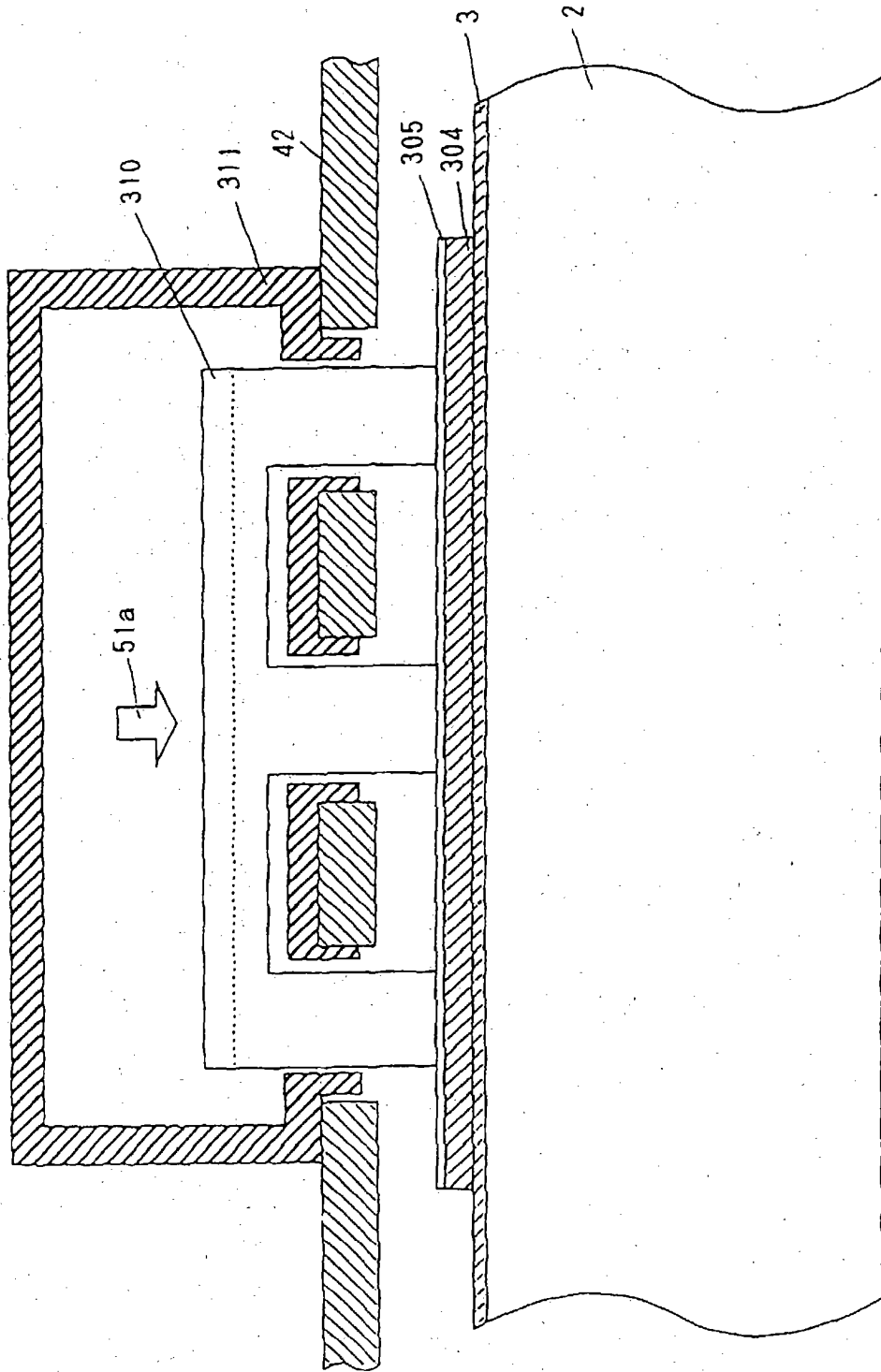


FIG. 64

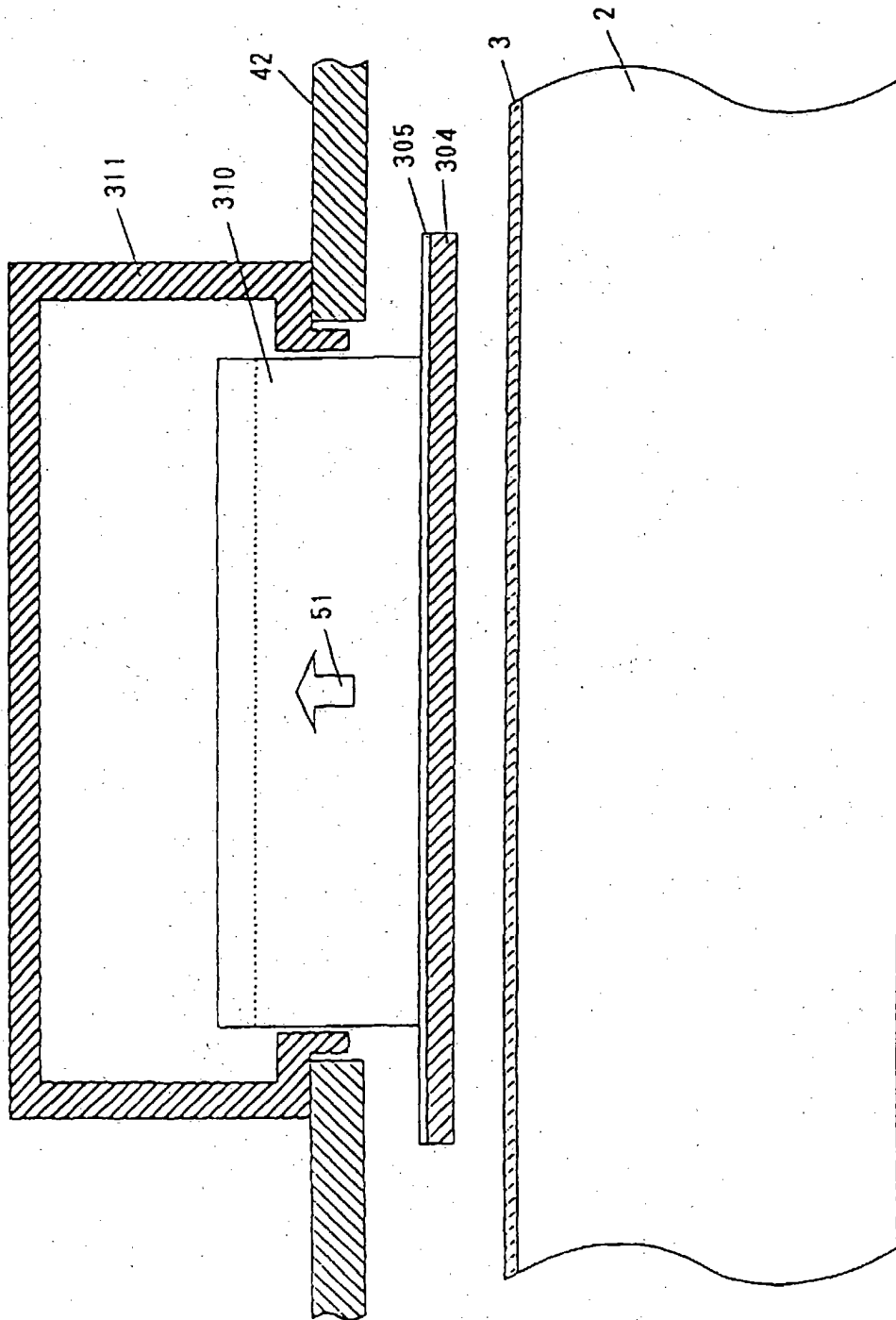




FIG. 65

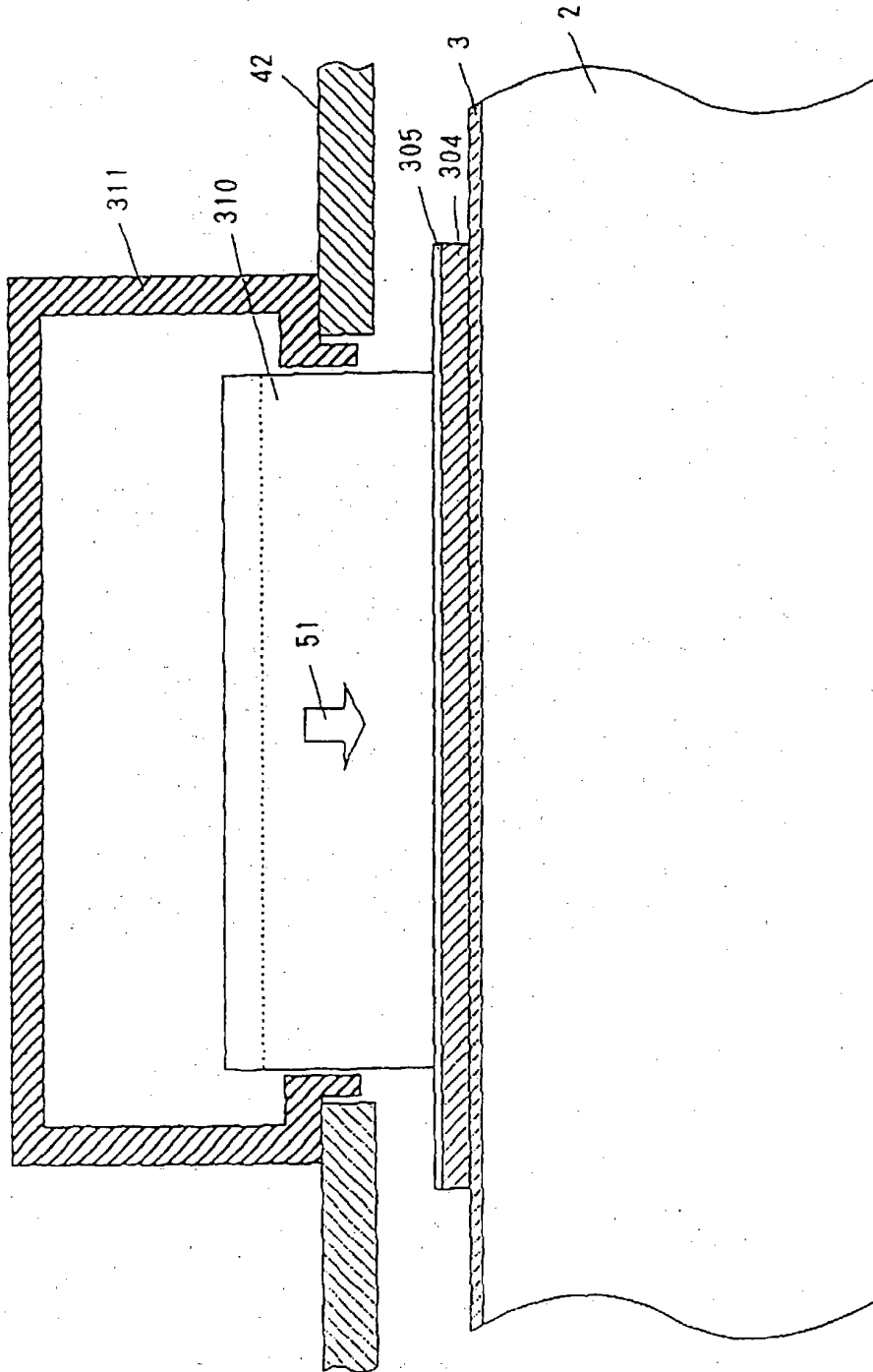


FIG. 66

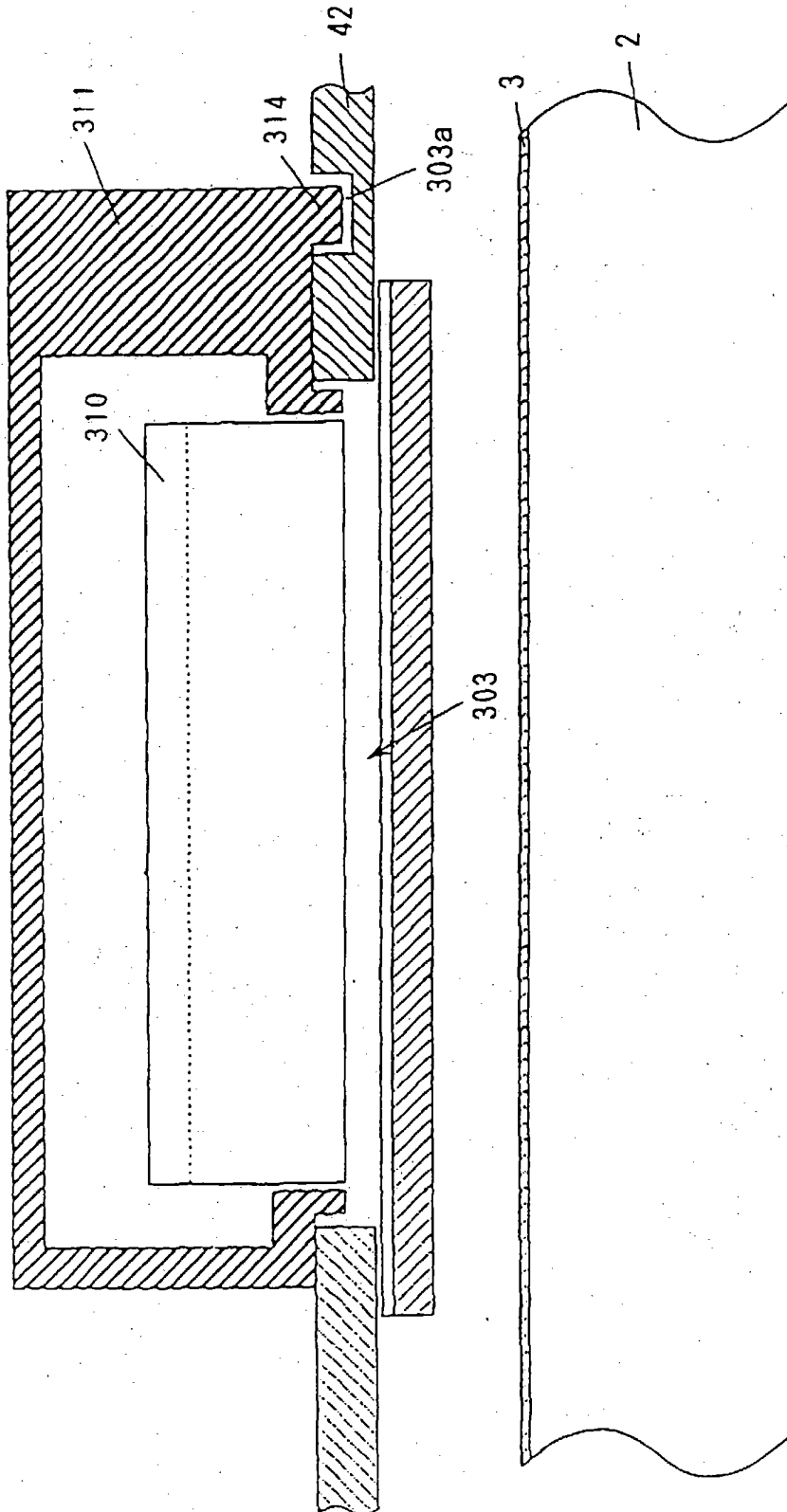


FIG. 67

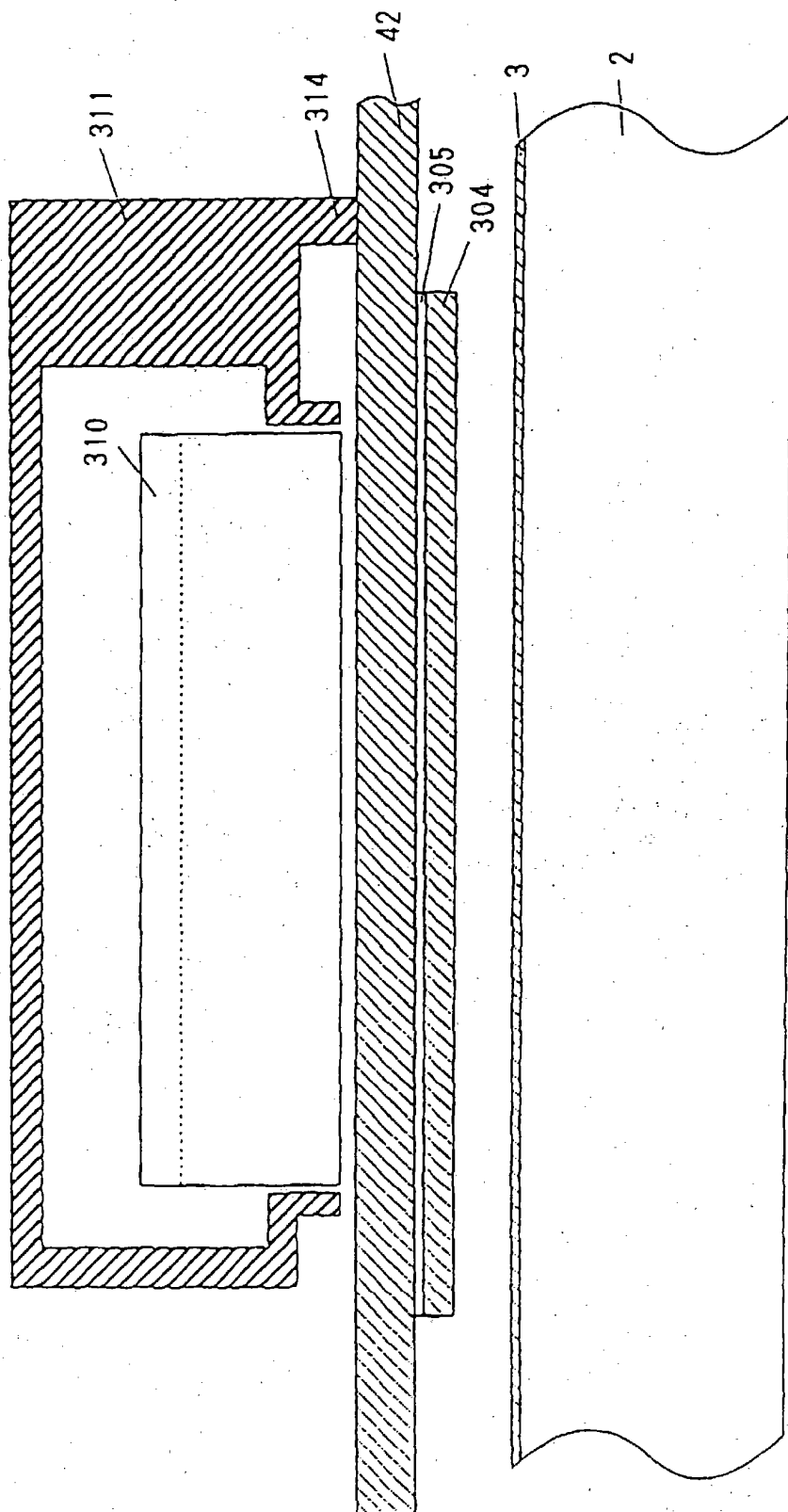


FIG. 68(a)

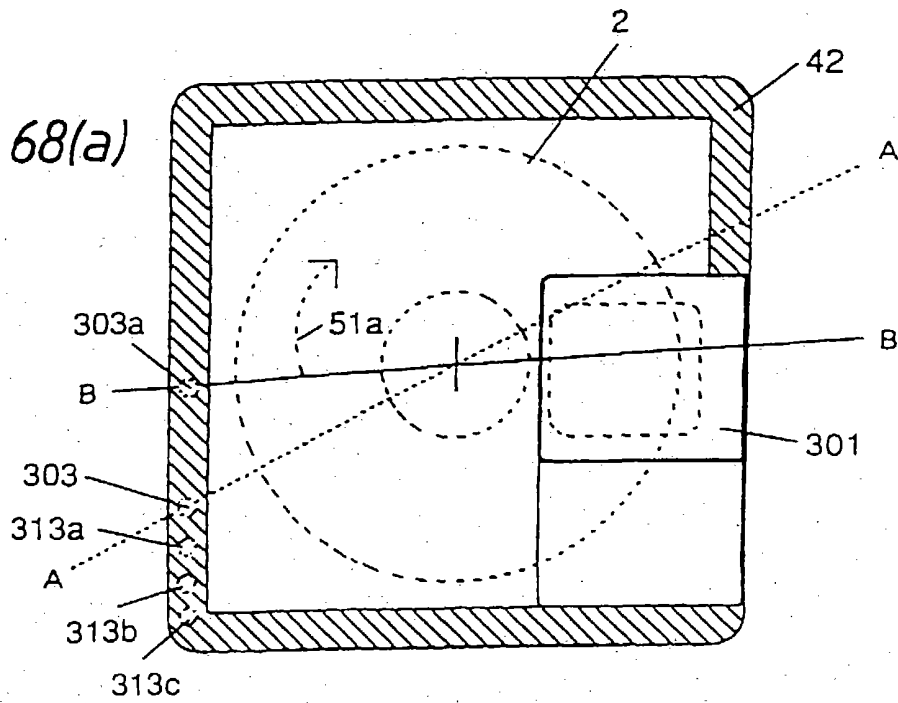


FIG. 68(b)

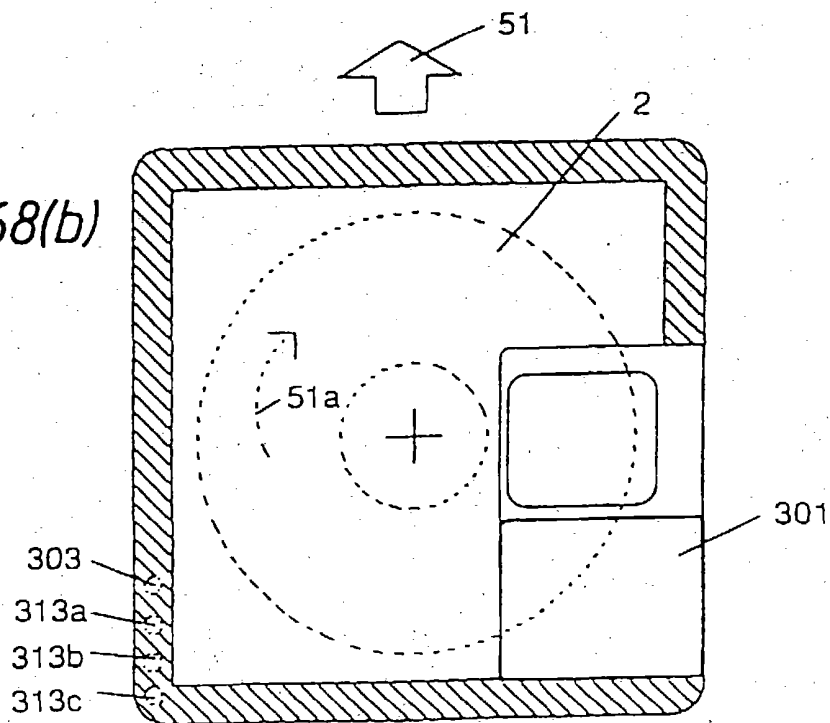


FIG. 69(a)

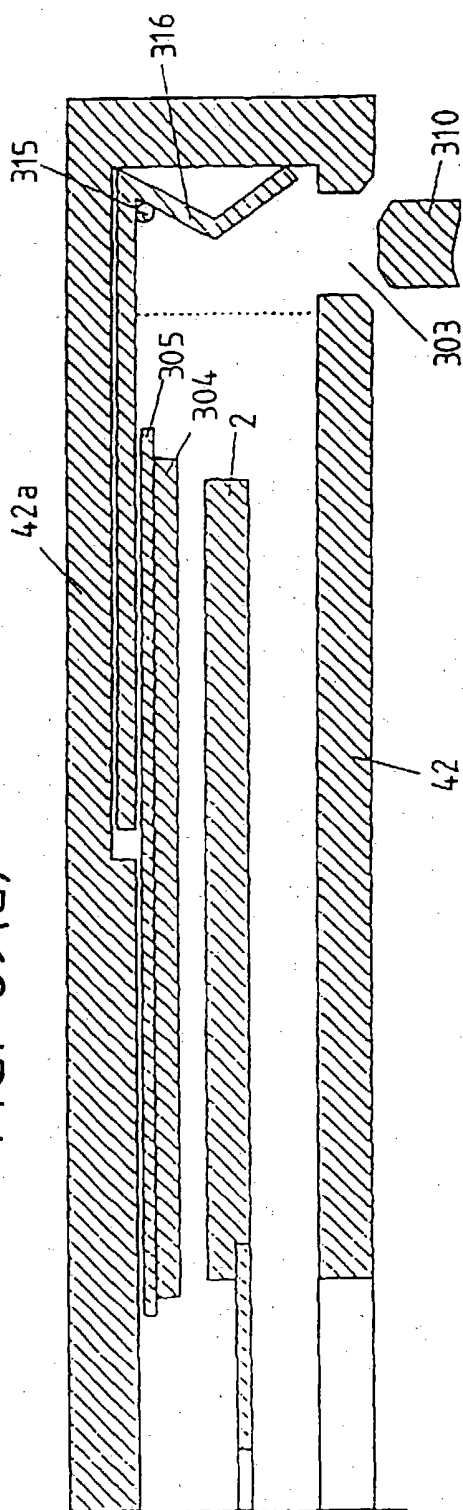


FIG. 69(b)

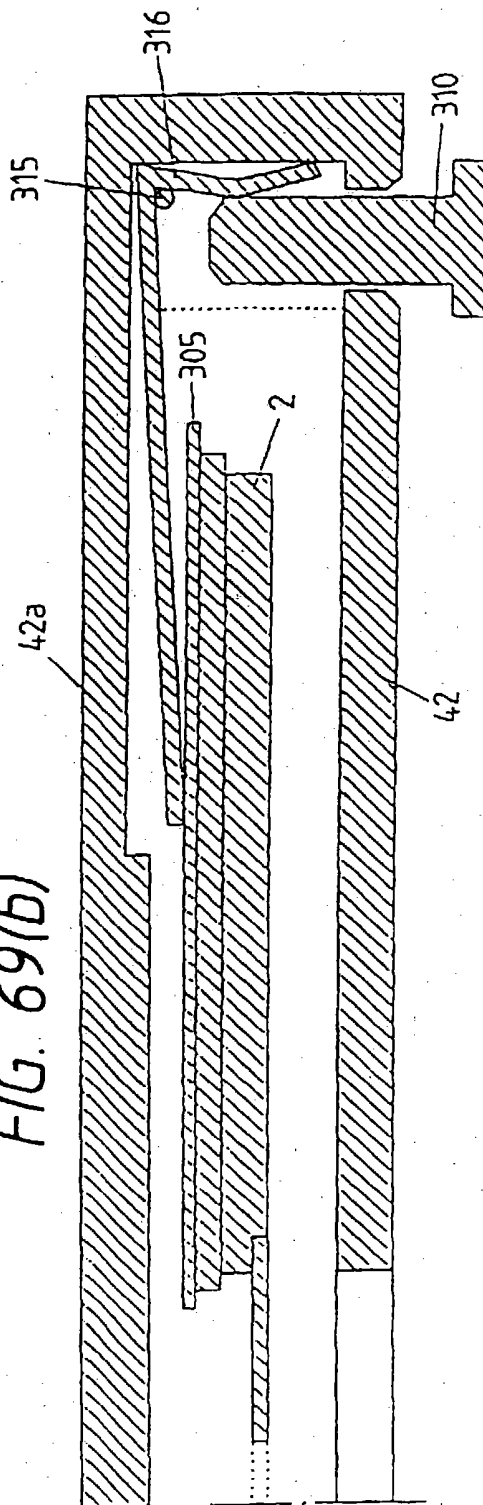


FIG. 70(a)

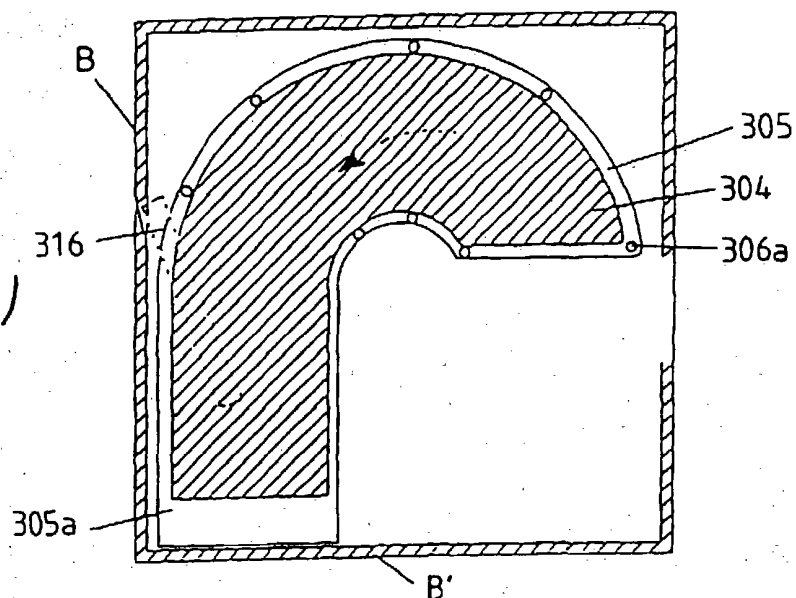


FIG. 70(b)

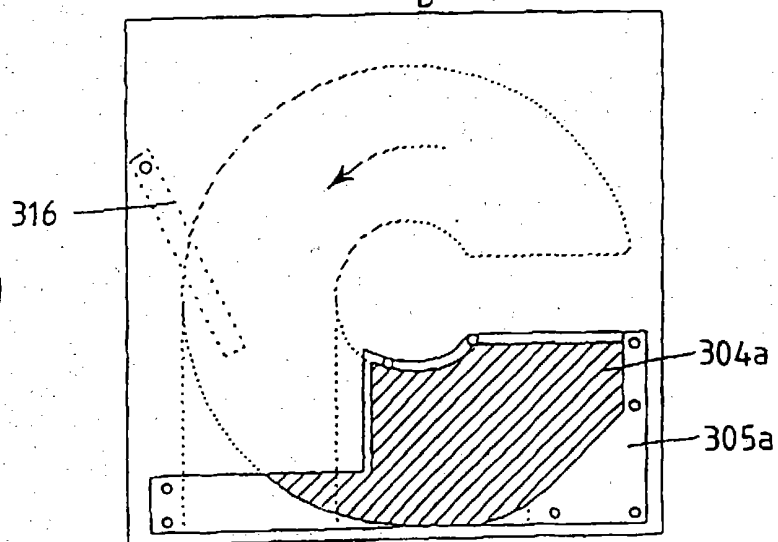


FIG. 70(c)

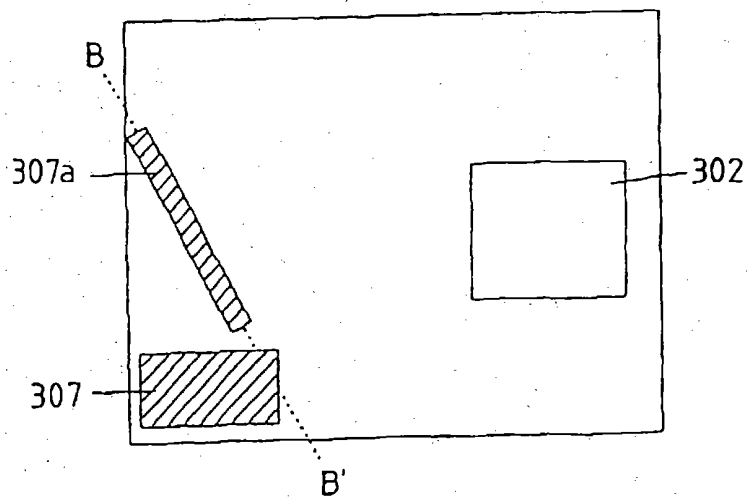
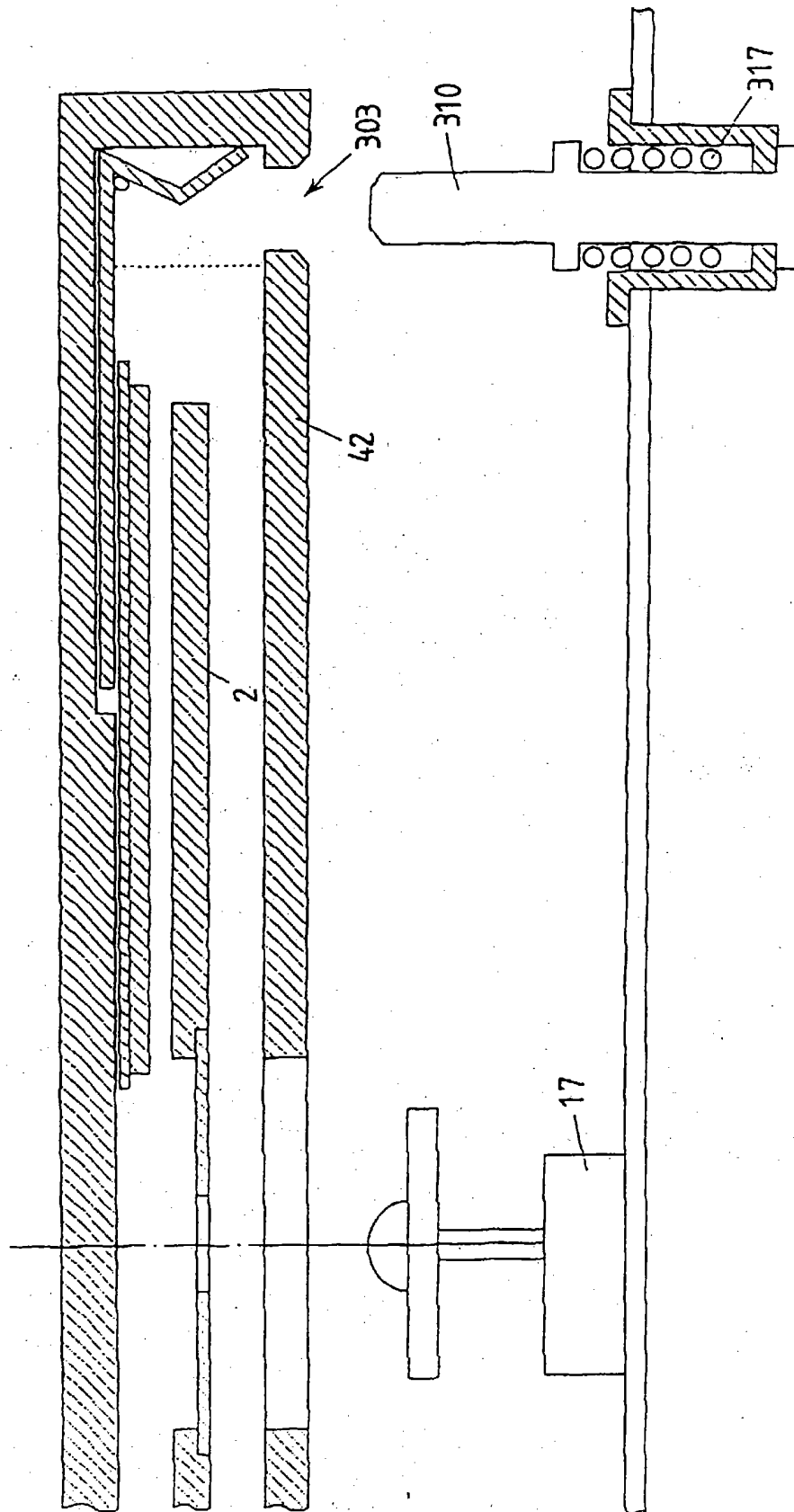


FIG. 71



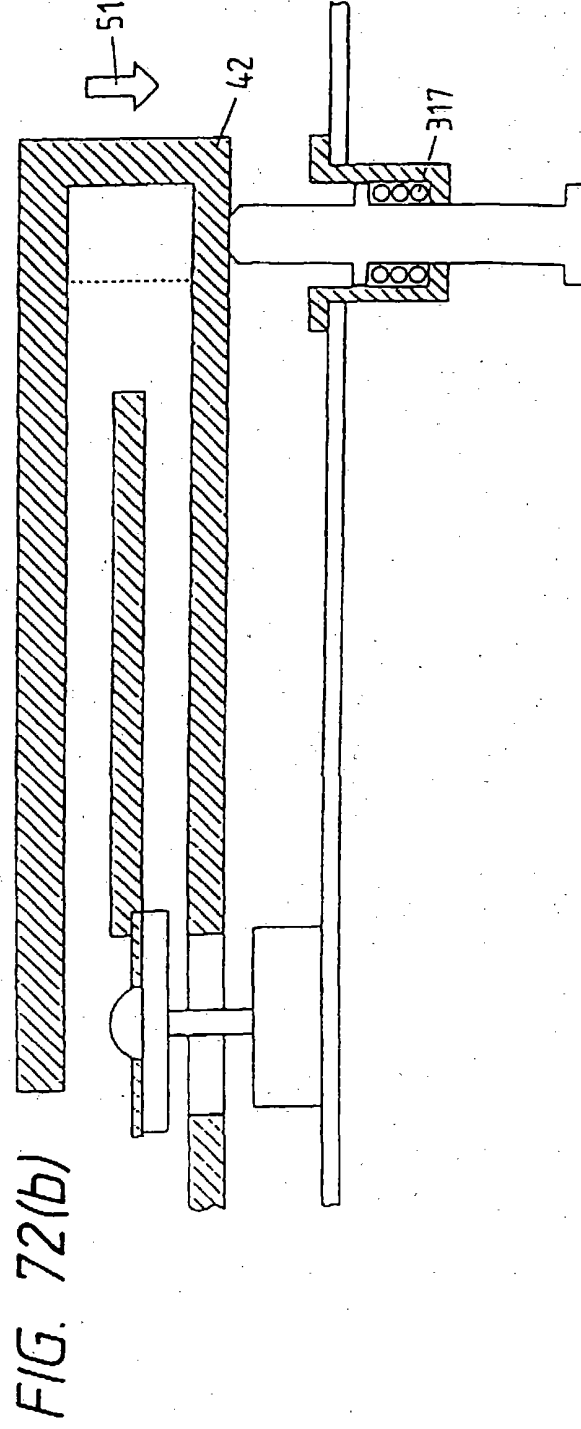
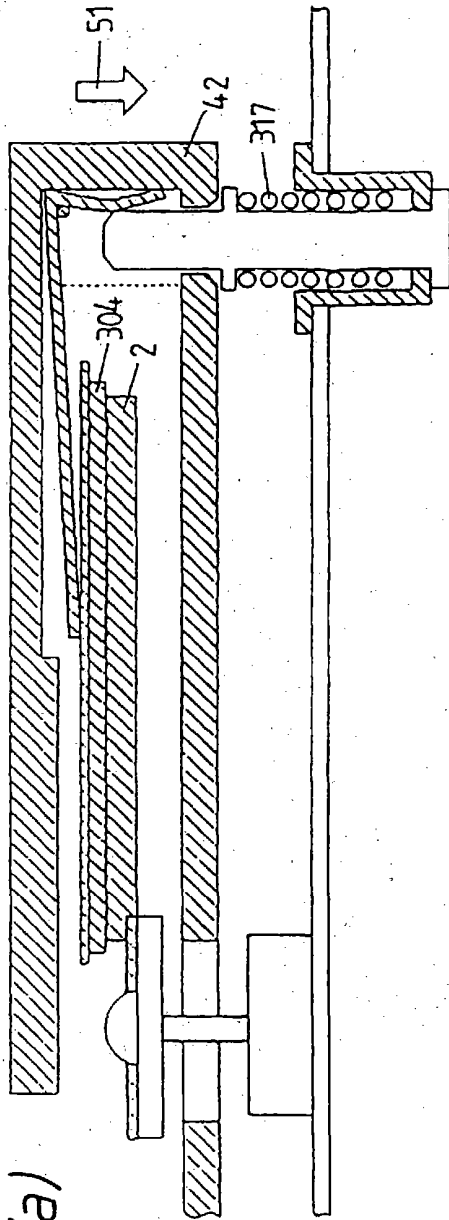




FIG. 73(a)

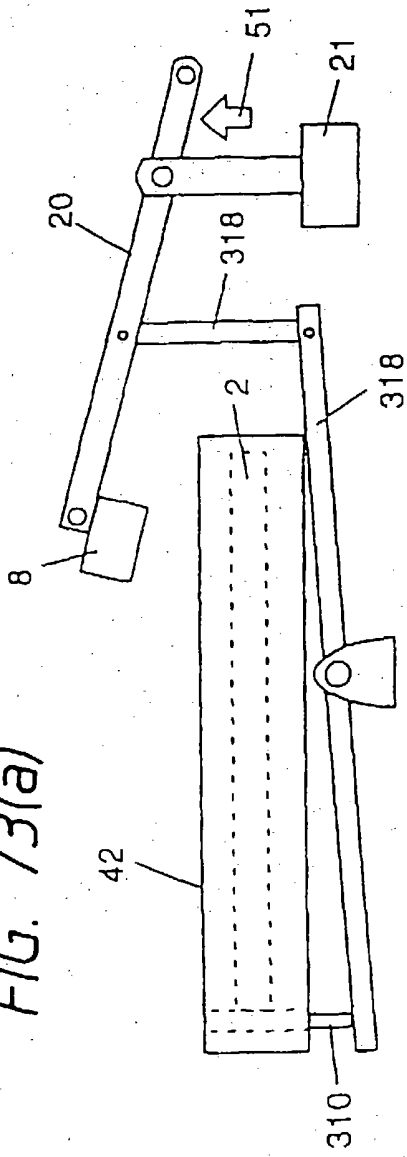


FIG. 73(b)

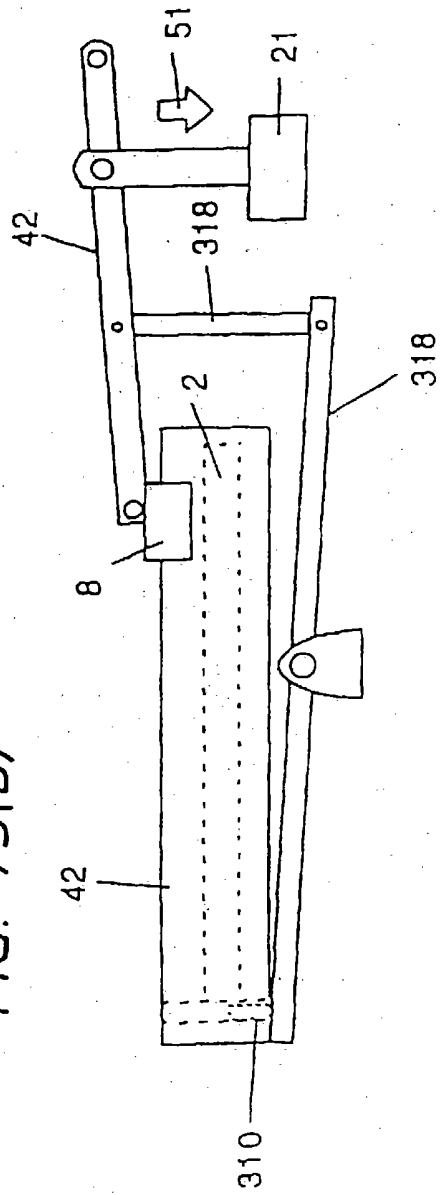


FIG. 74(a)

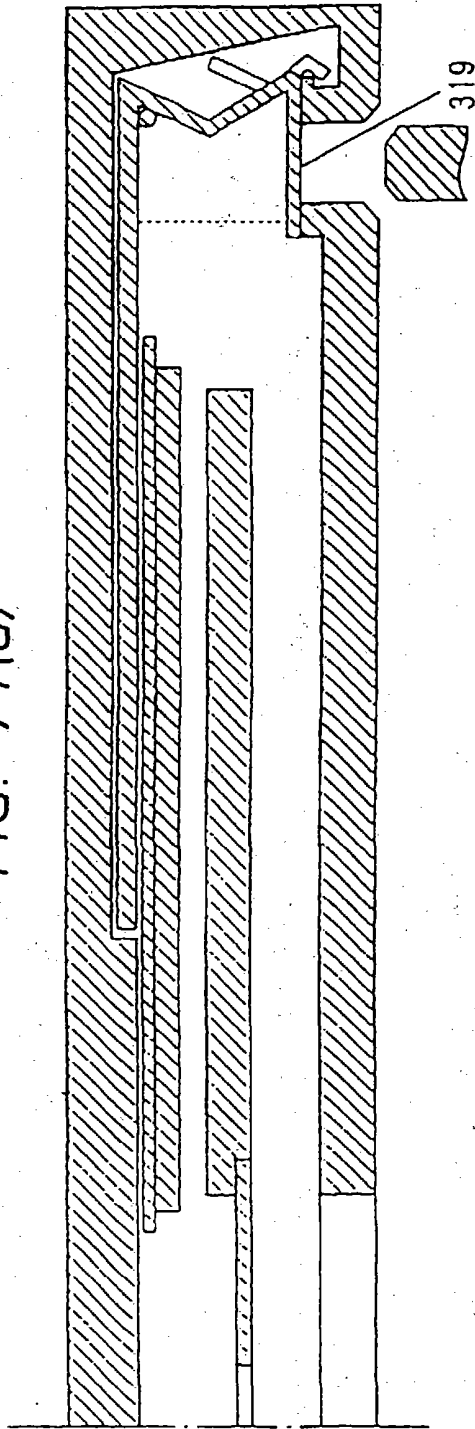


FIG. 74(b)

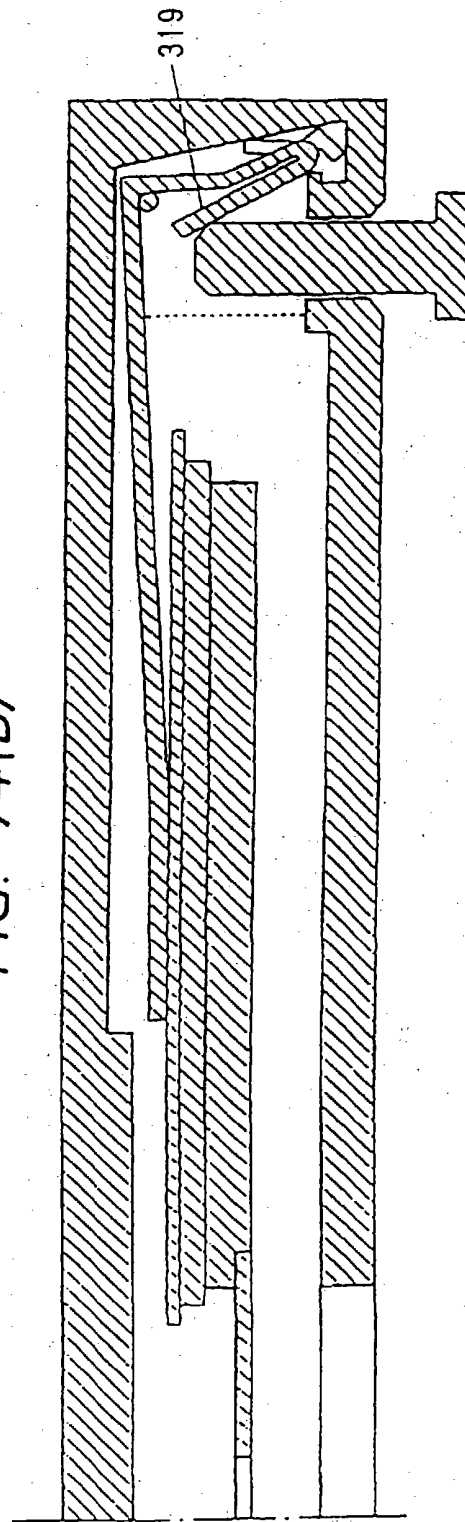


FIG. 75

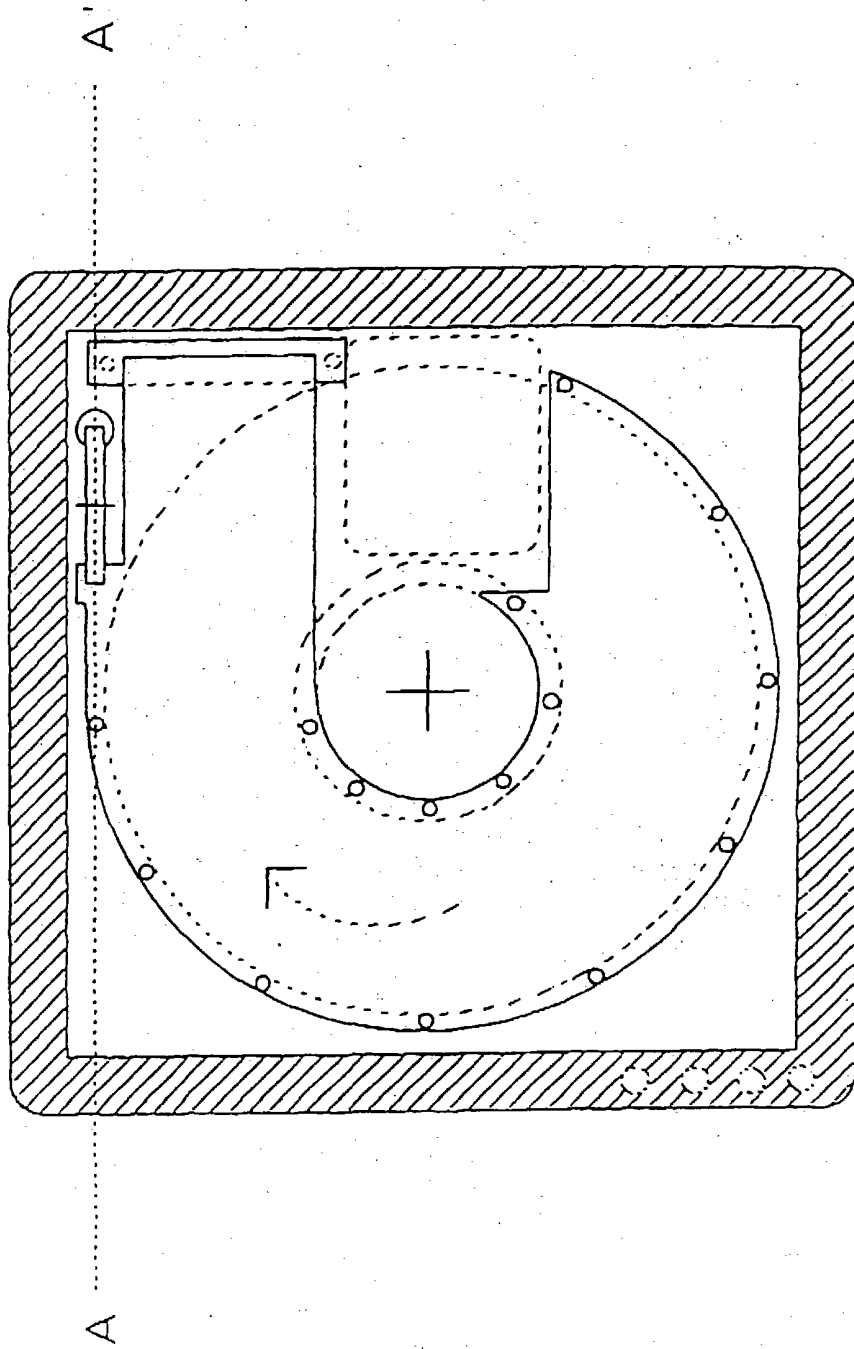


FIG. 76

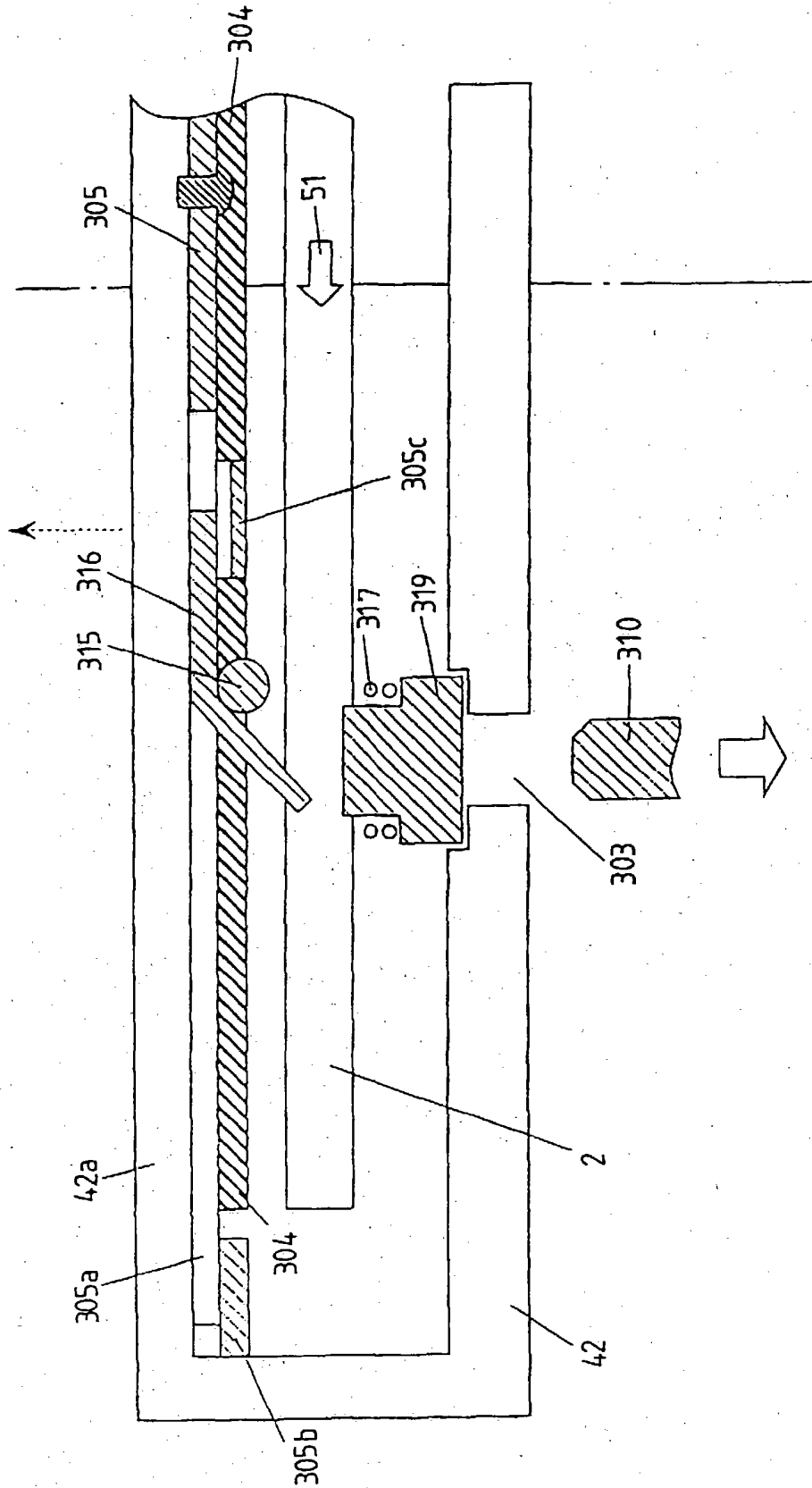


FIG. 77

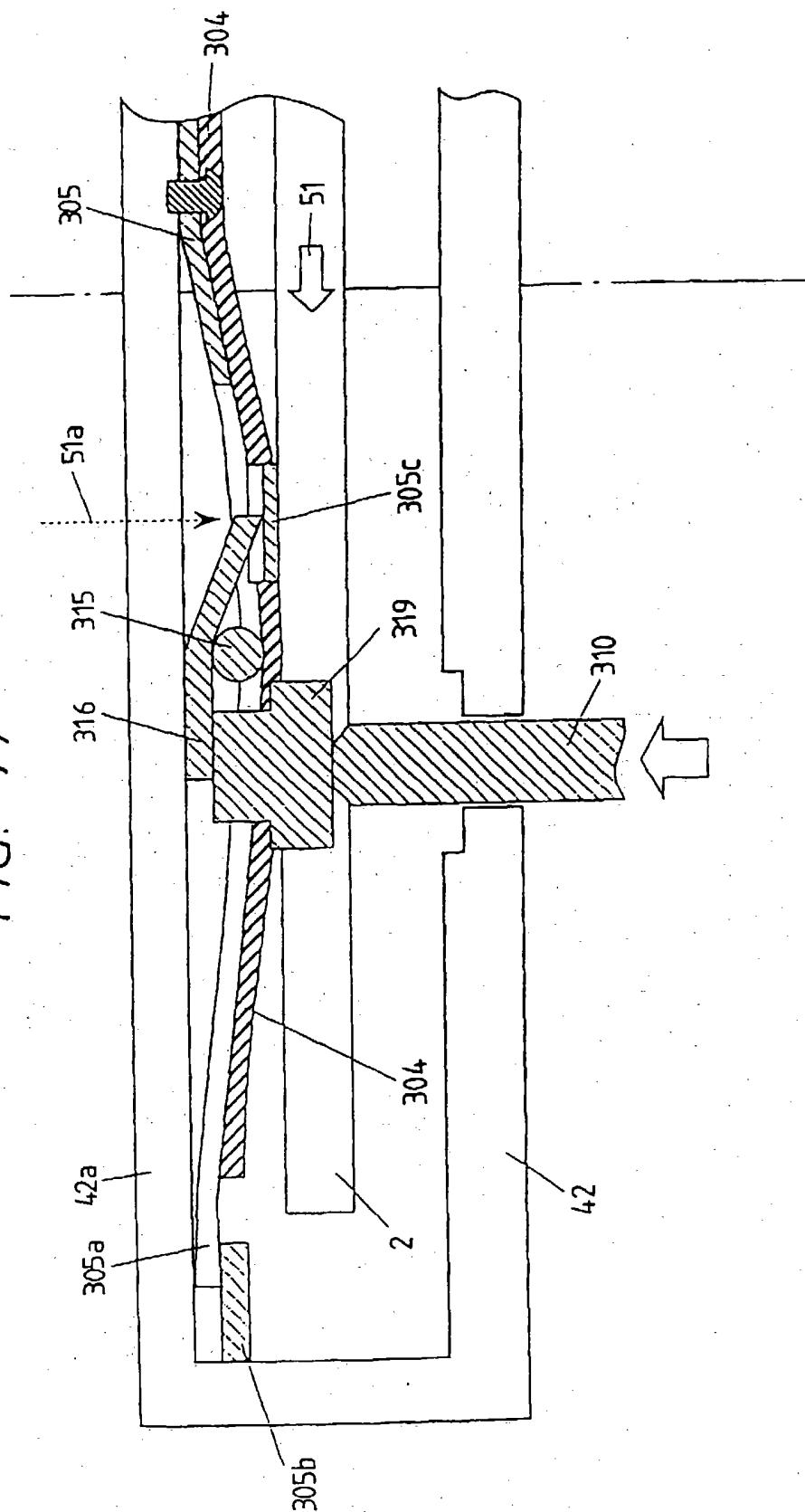


FIG. 78(a)

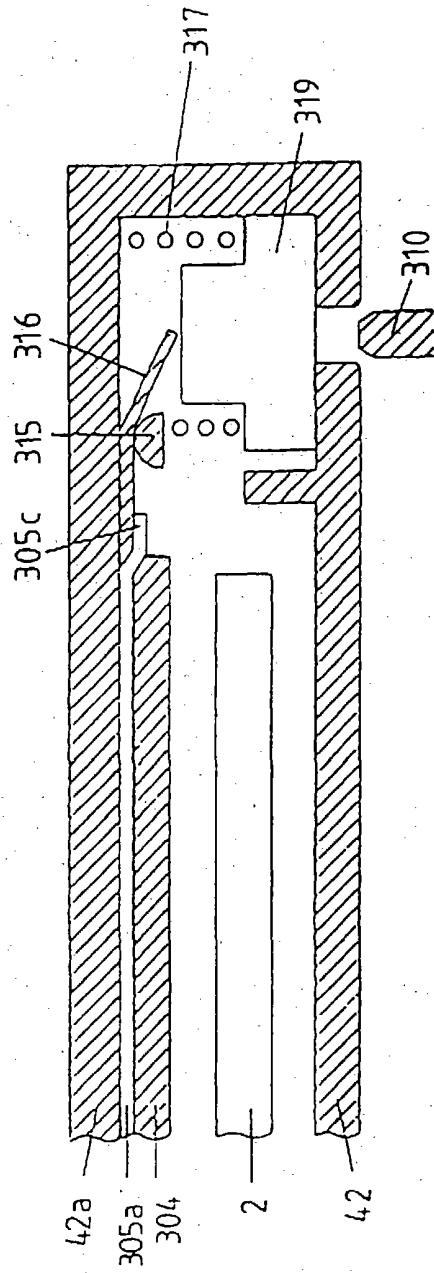
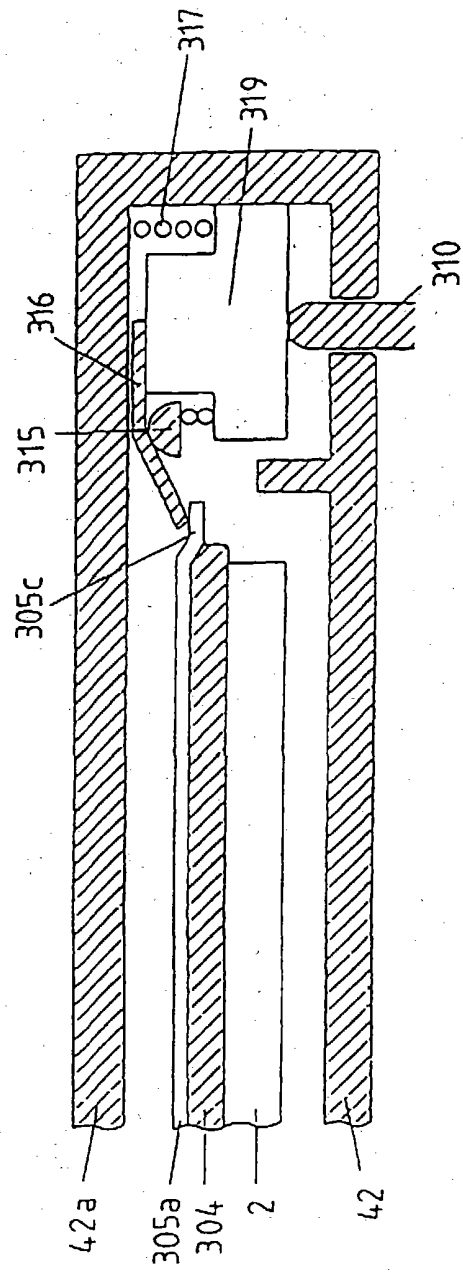


FIG. 78(b)



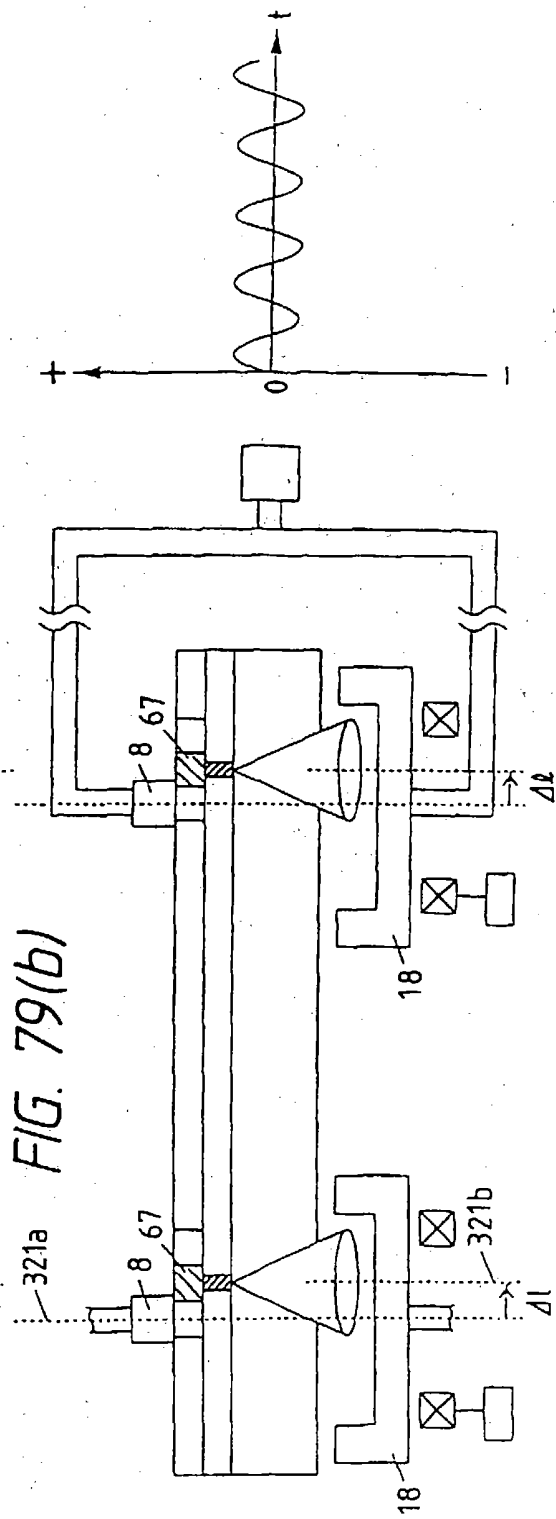
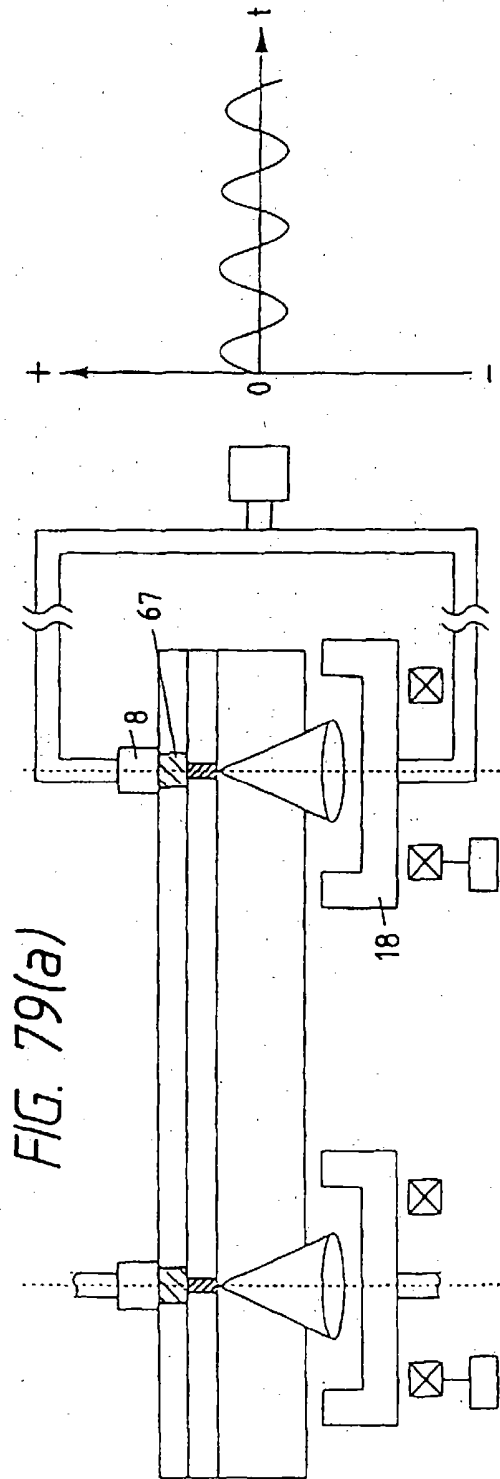


FIG. 80(a)

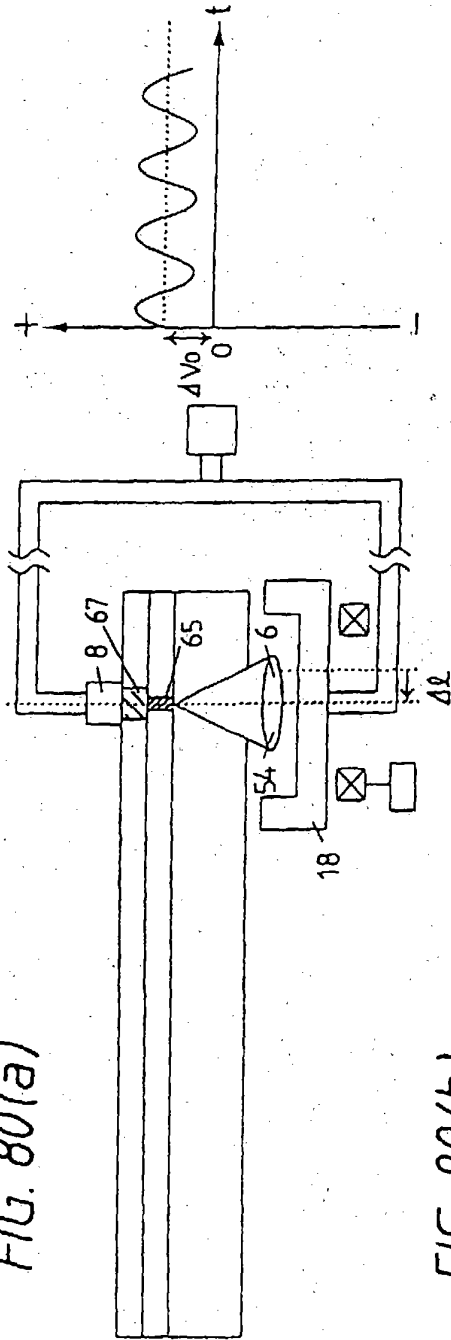


FIG. 80(b)

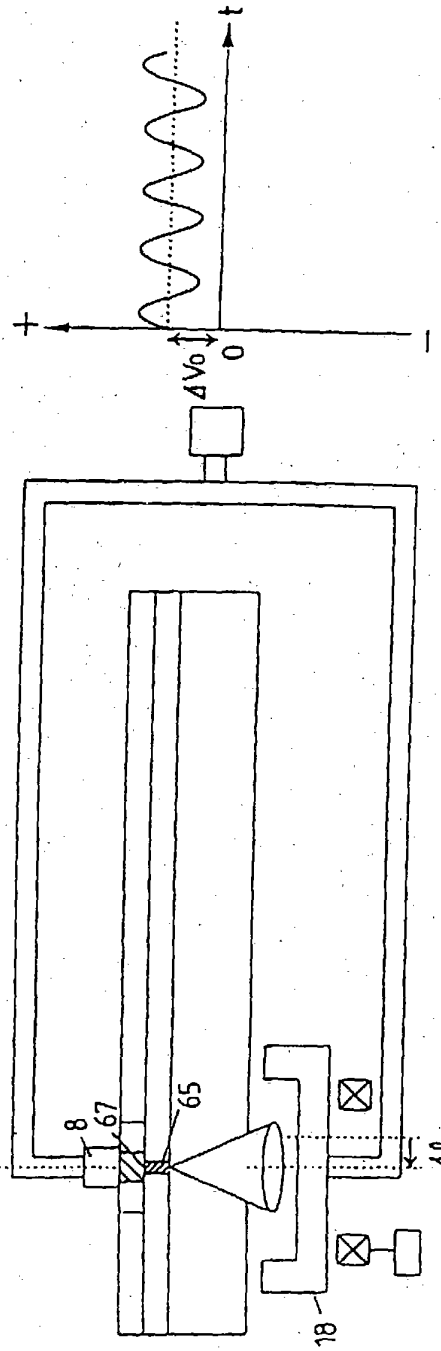




FIG. 81(a)

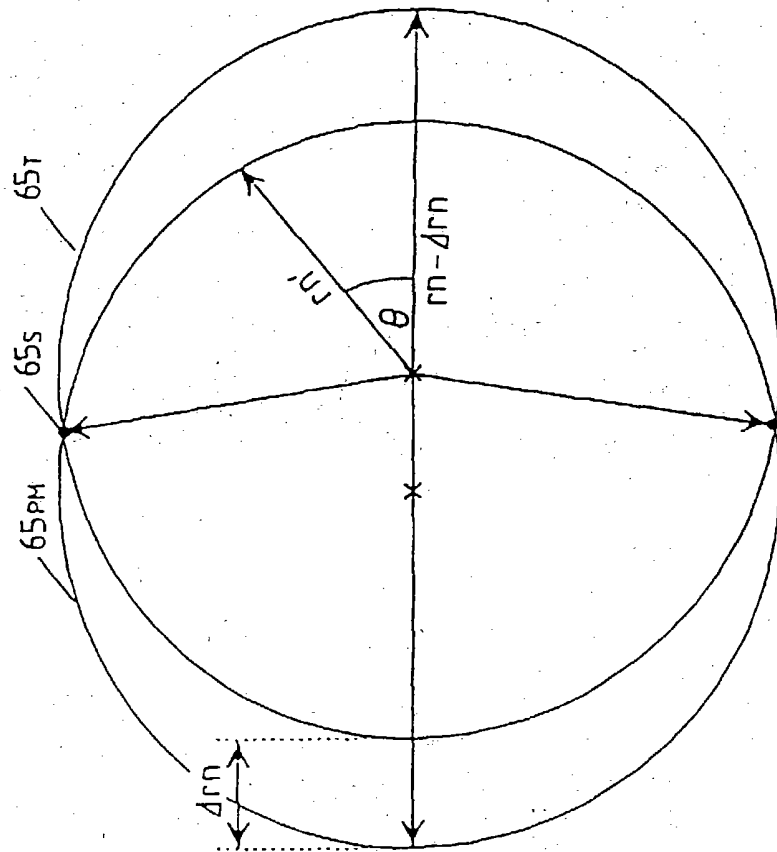


FIG. 81(b)

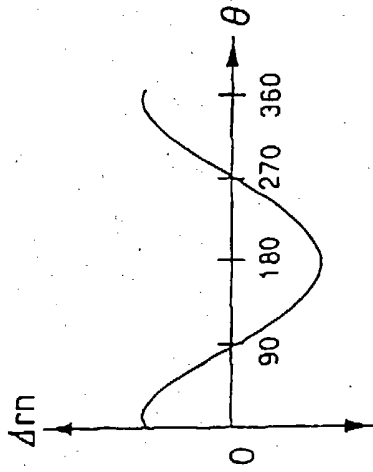
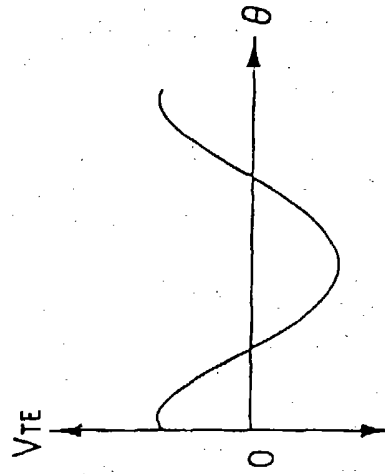


FIG. 81(c)



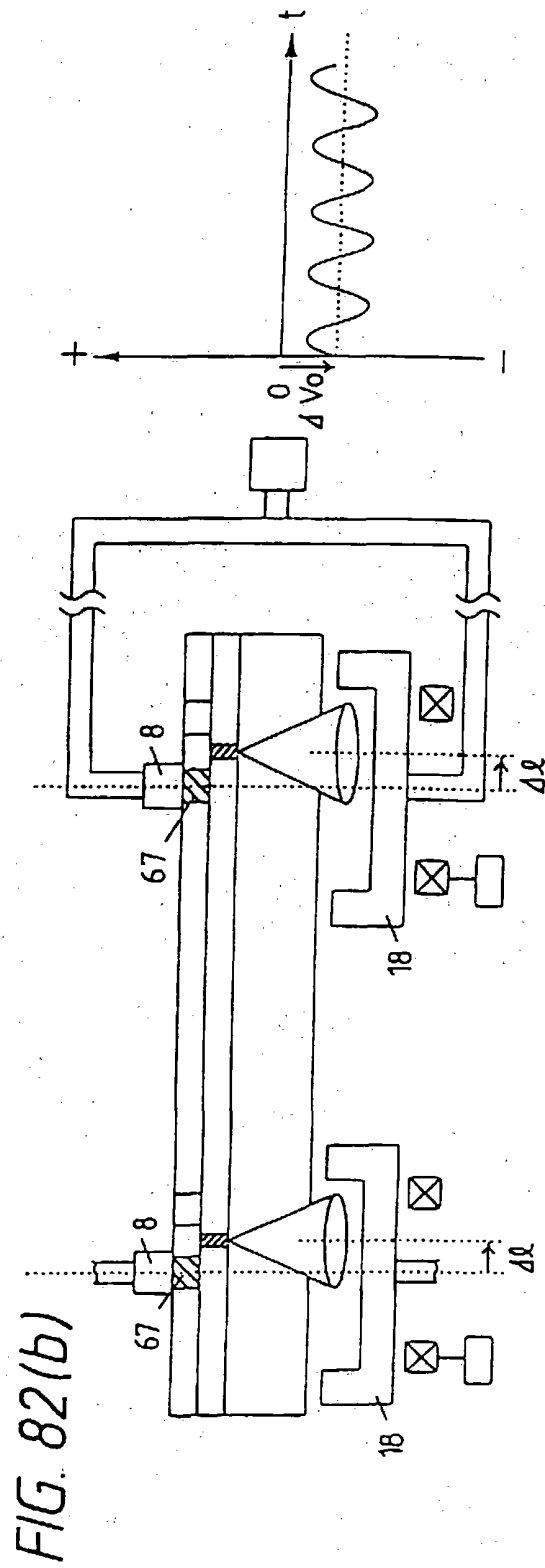
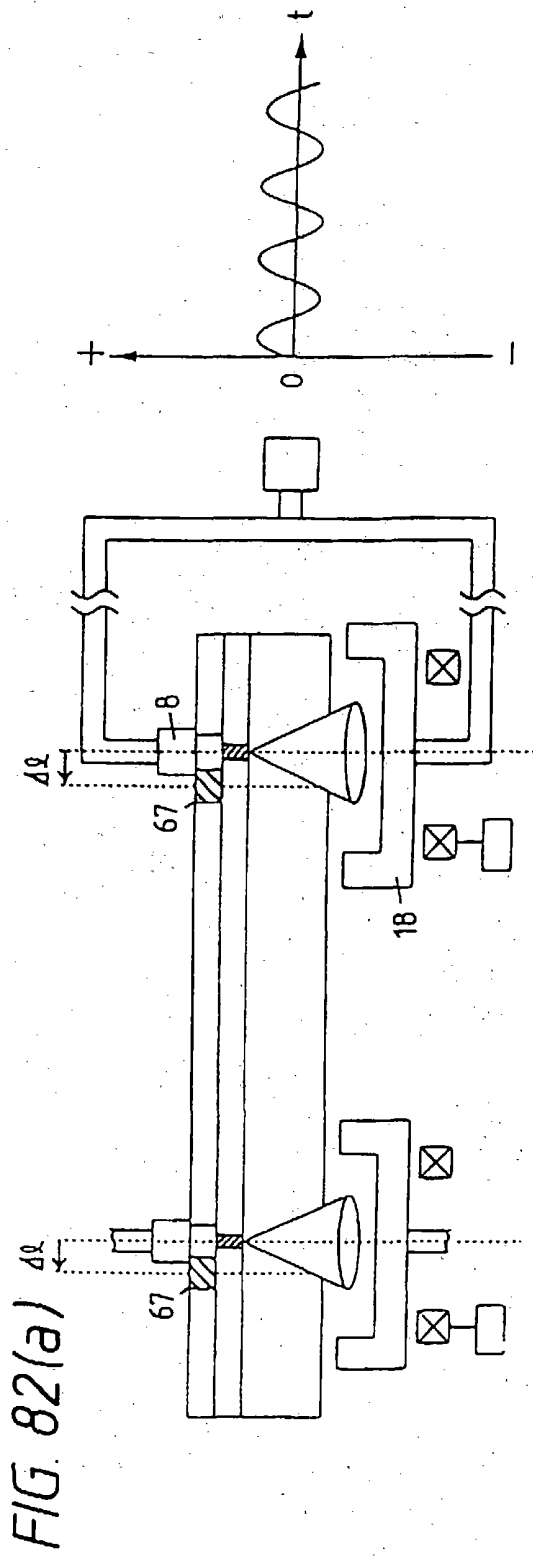
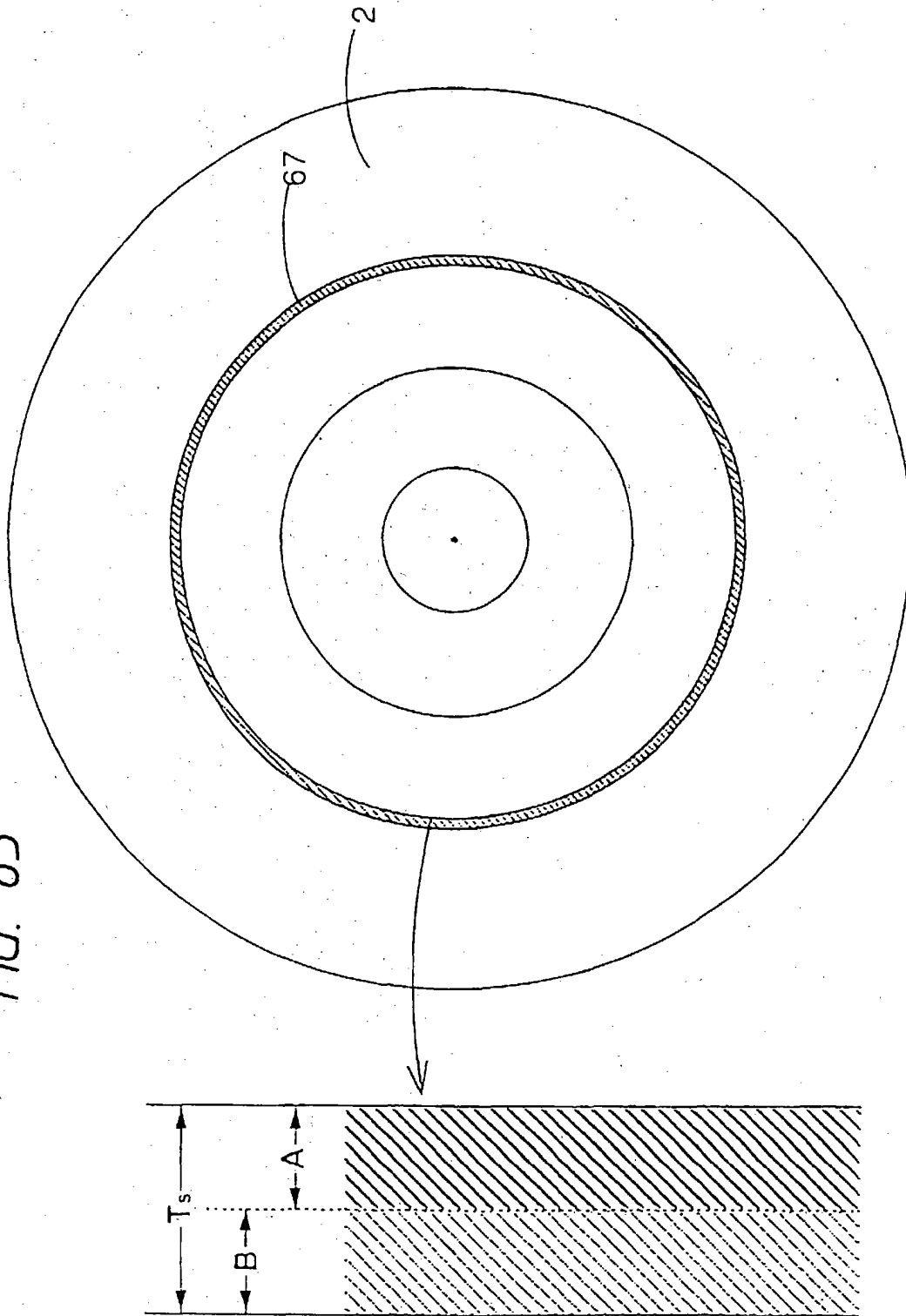


FIG. 83



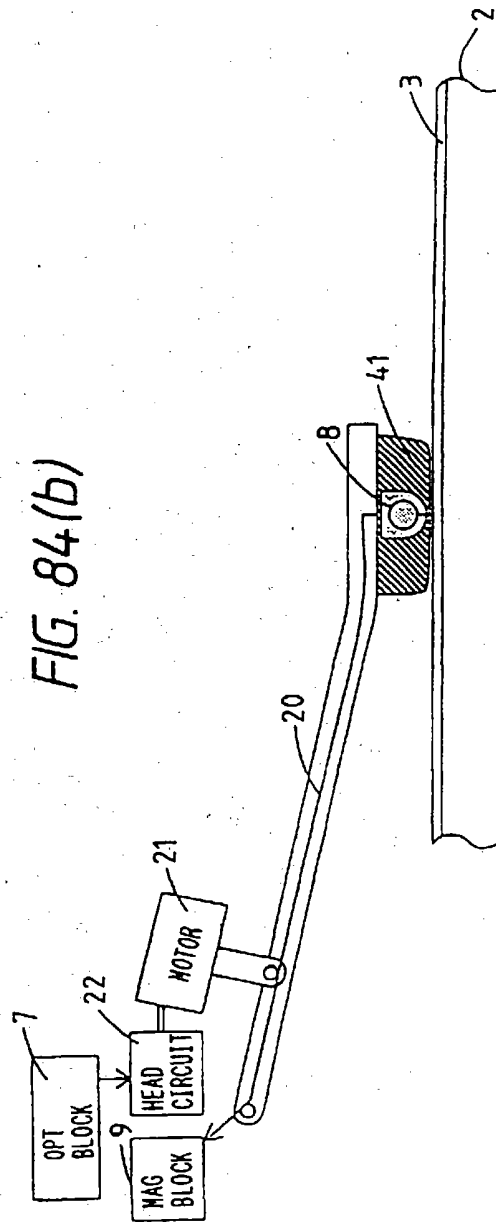
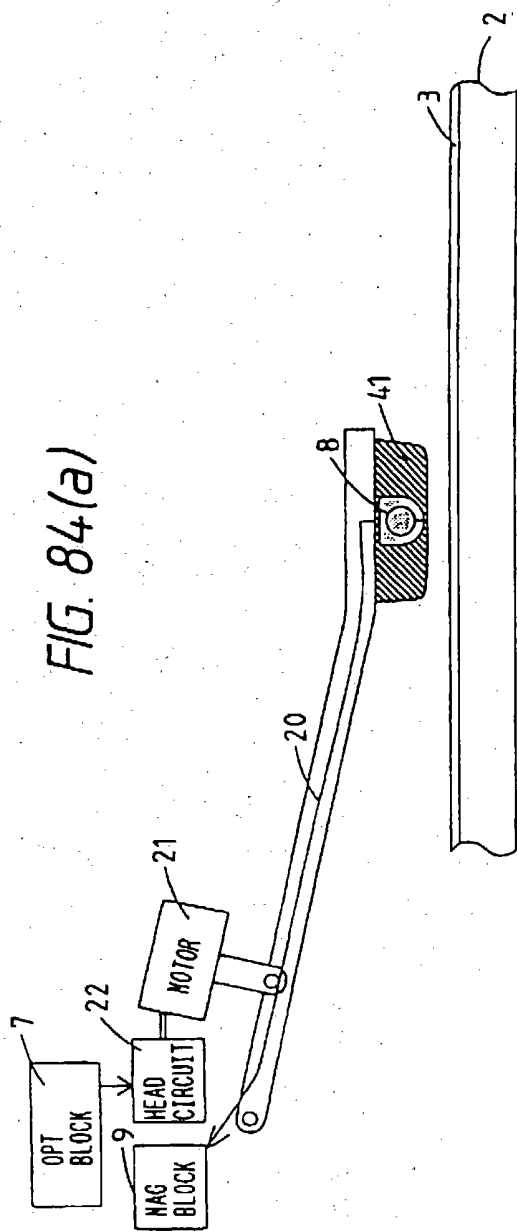


FIG. 85(a)

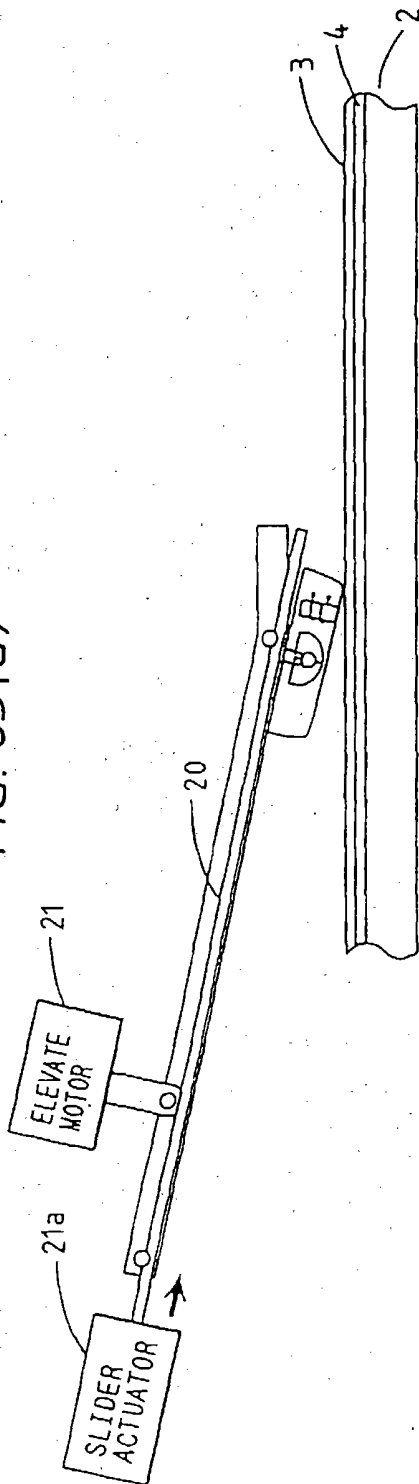


FIG. 85(b)

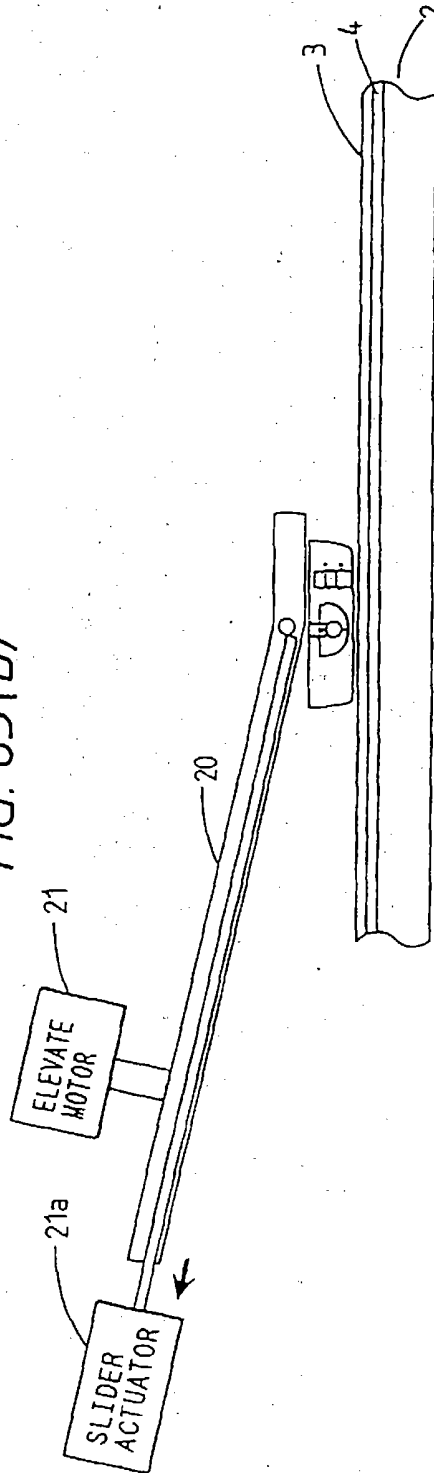


FIG. 86

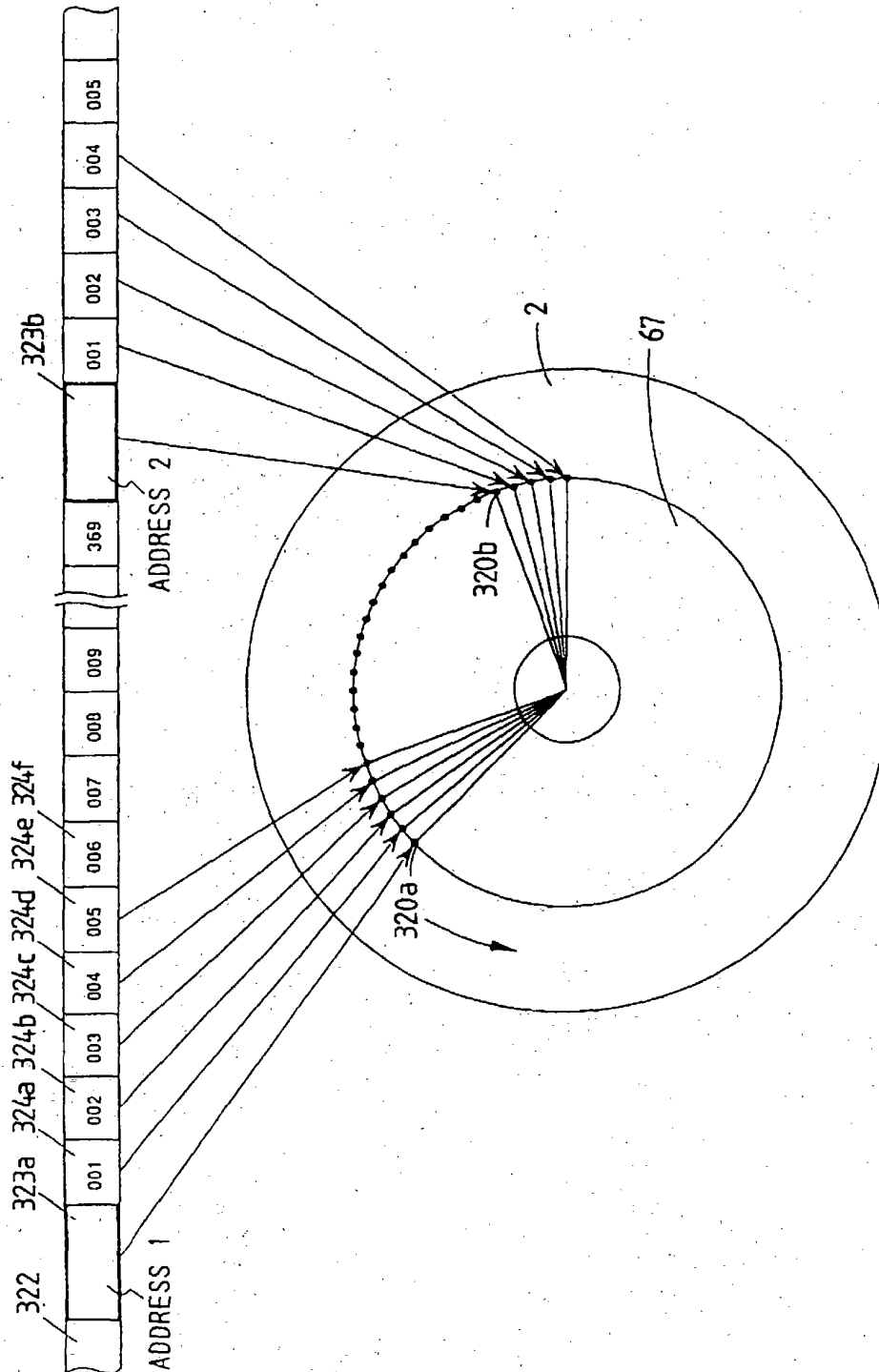


FIG. 87

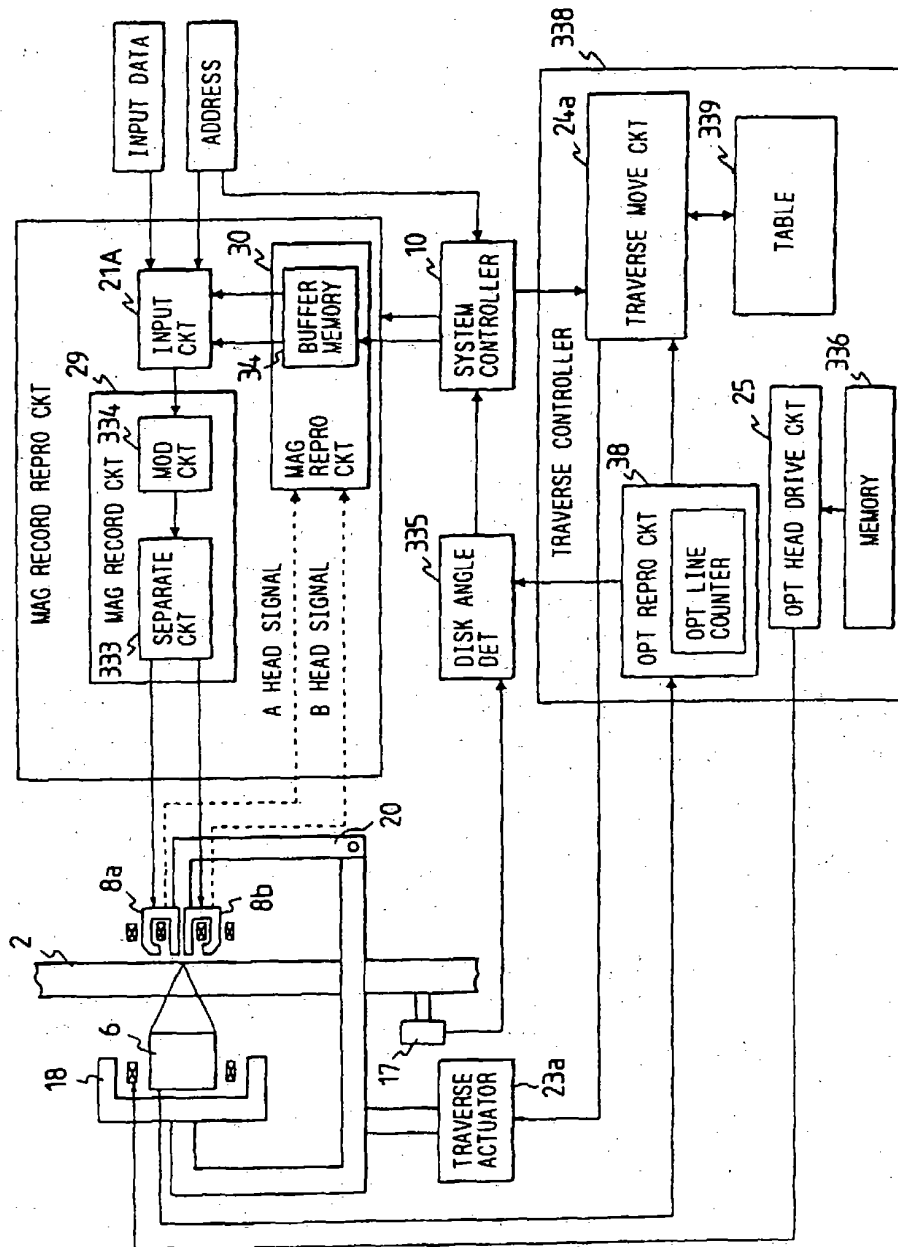


FIG. 88(a)

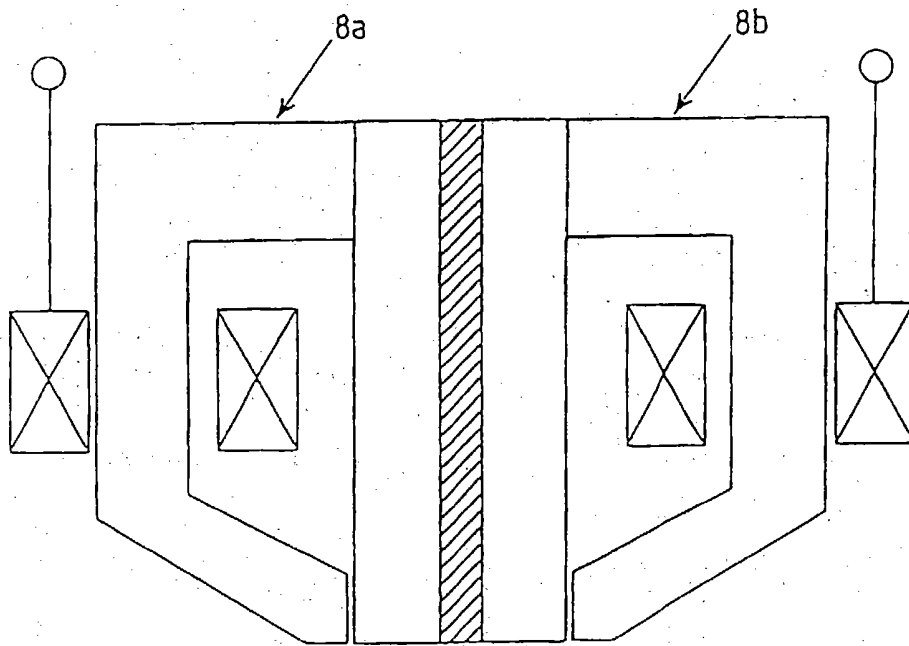


FIG. 88(b)

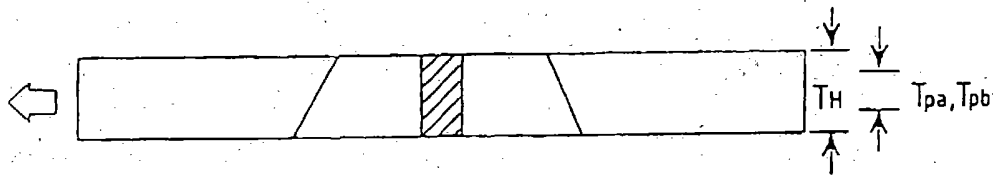


FIG. 88(c)

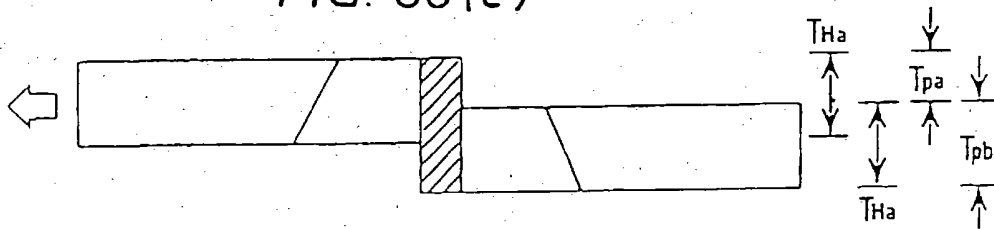
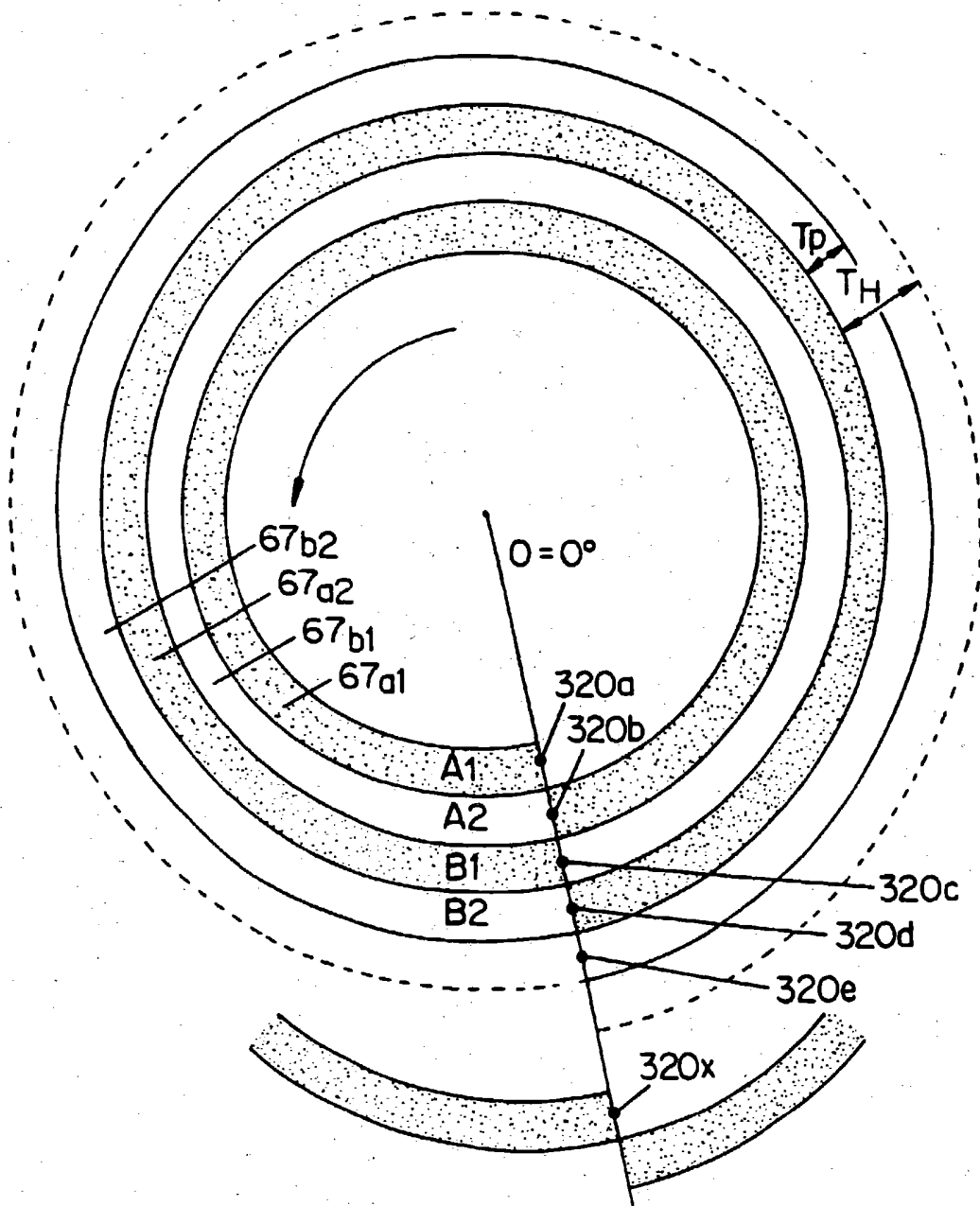




FIG. 89



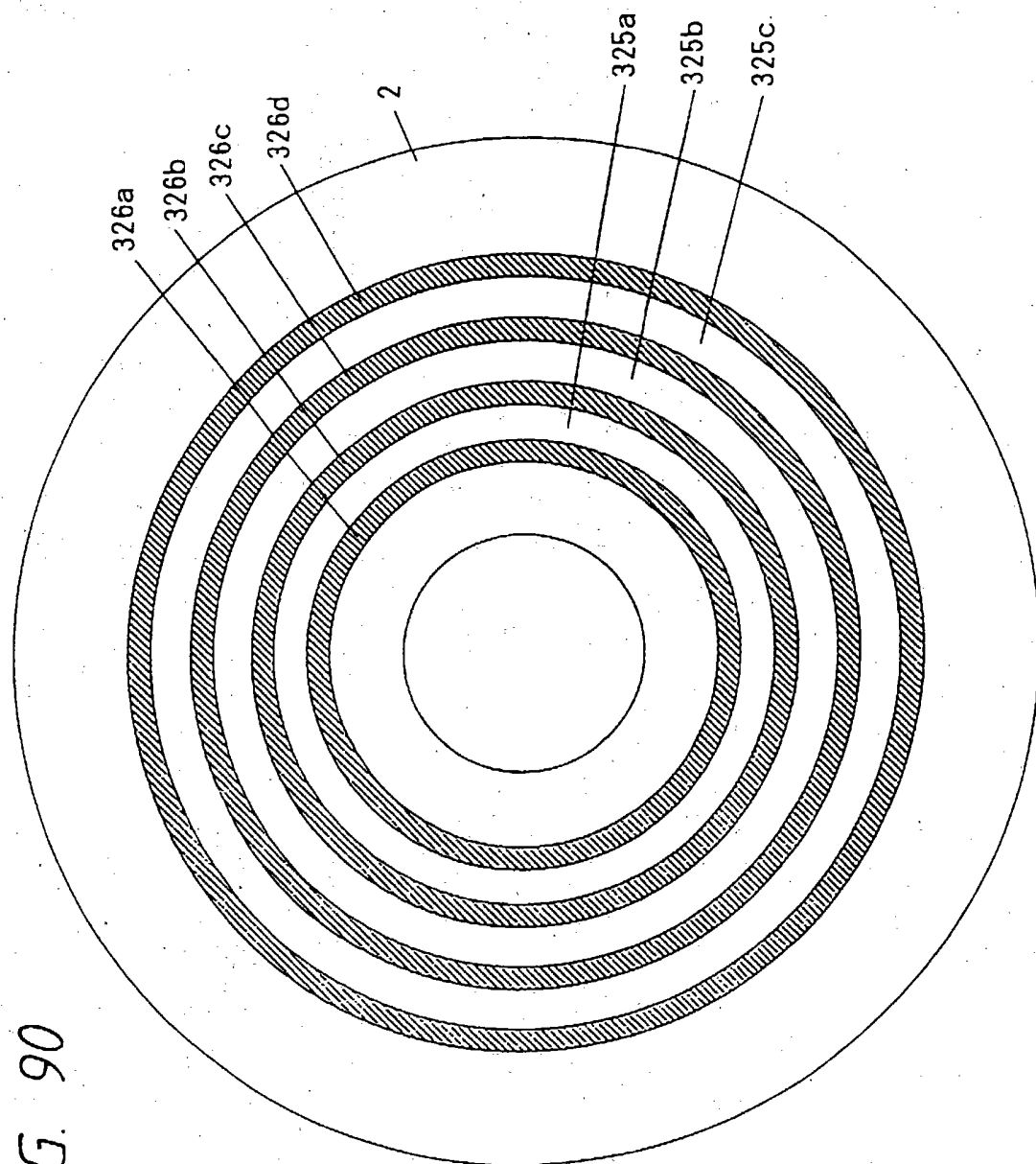
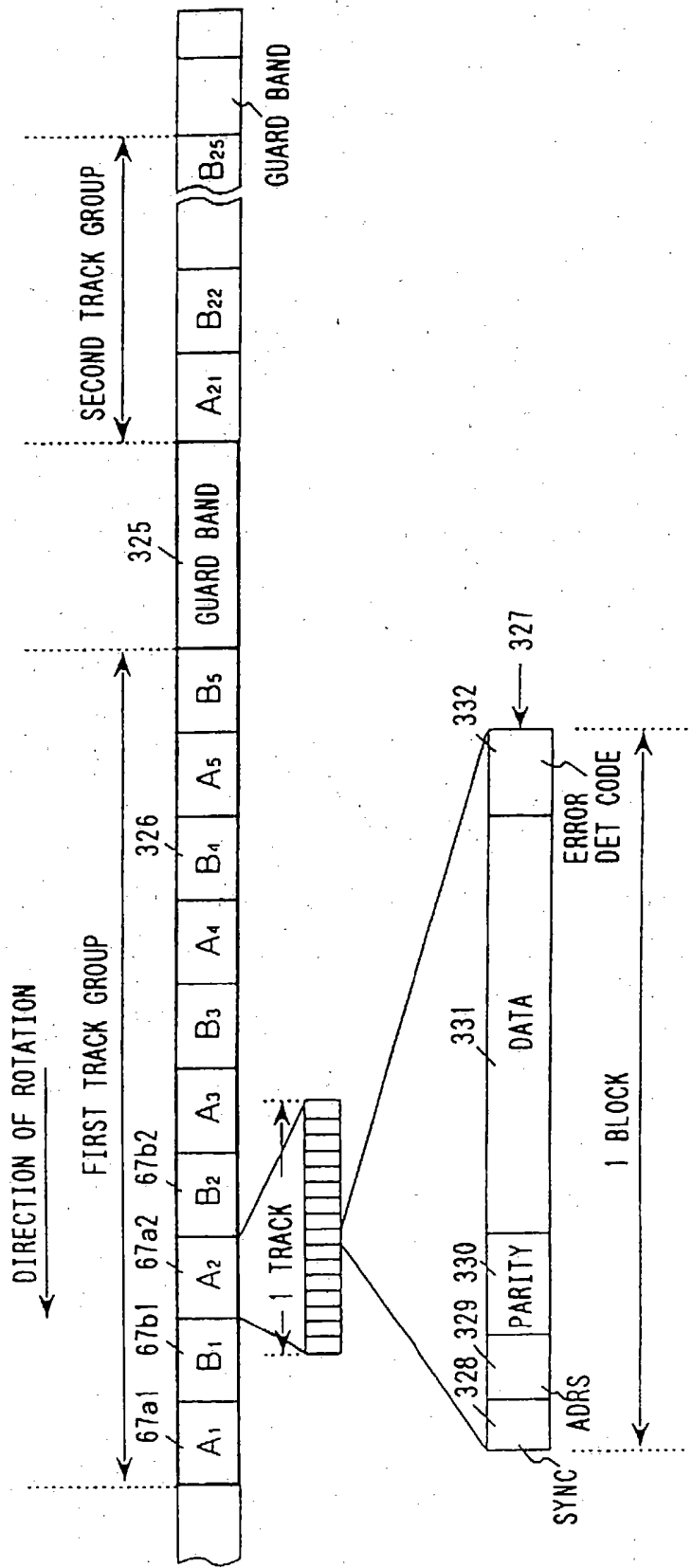


FIG. 91



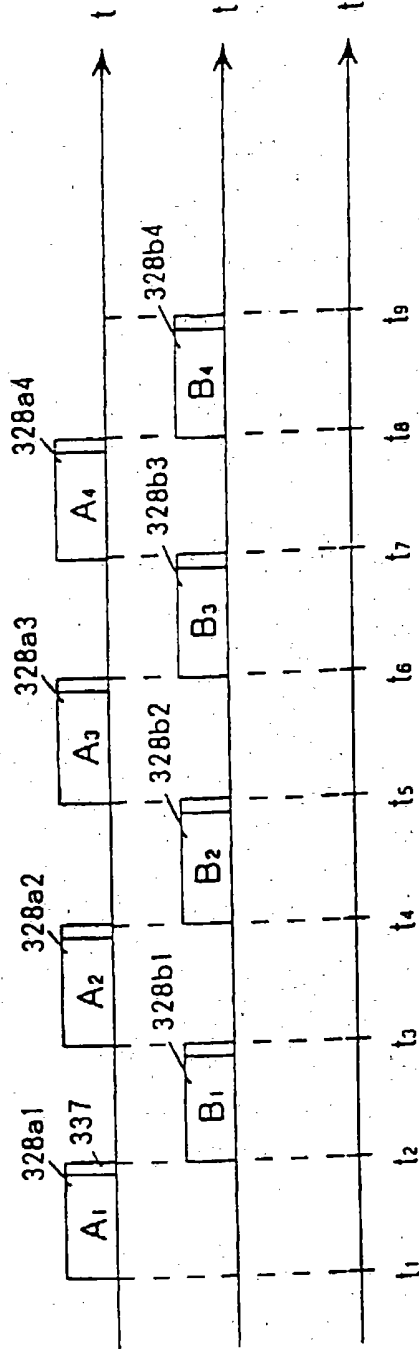


FIG. 92(a)A

FIG. 92(a)B

FIG. 92(a)S

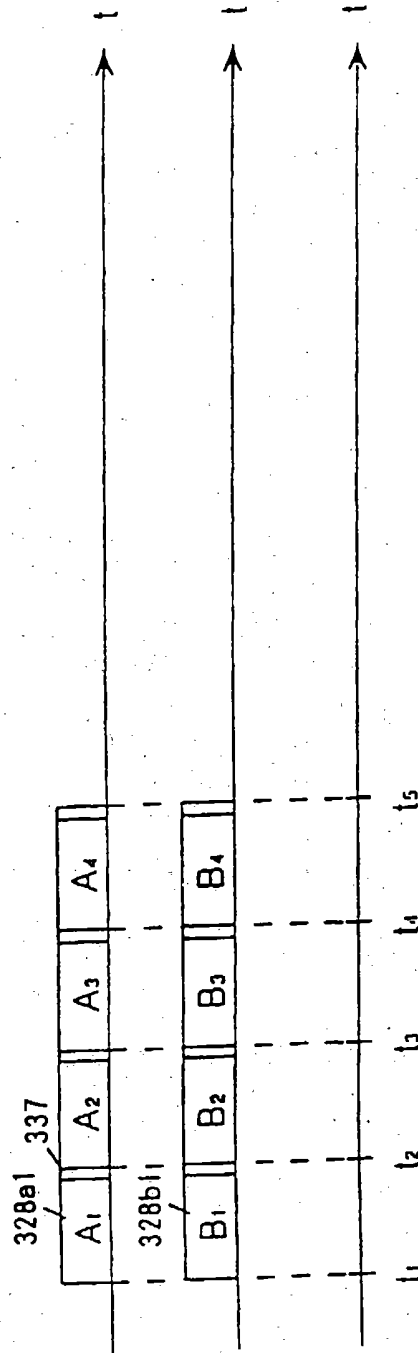


FIG. 92(b)A

FIG. 92(b)B

FIG. 92(b)S

FIG. 93

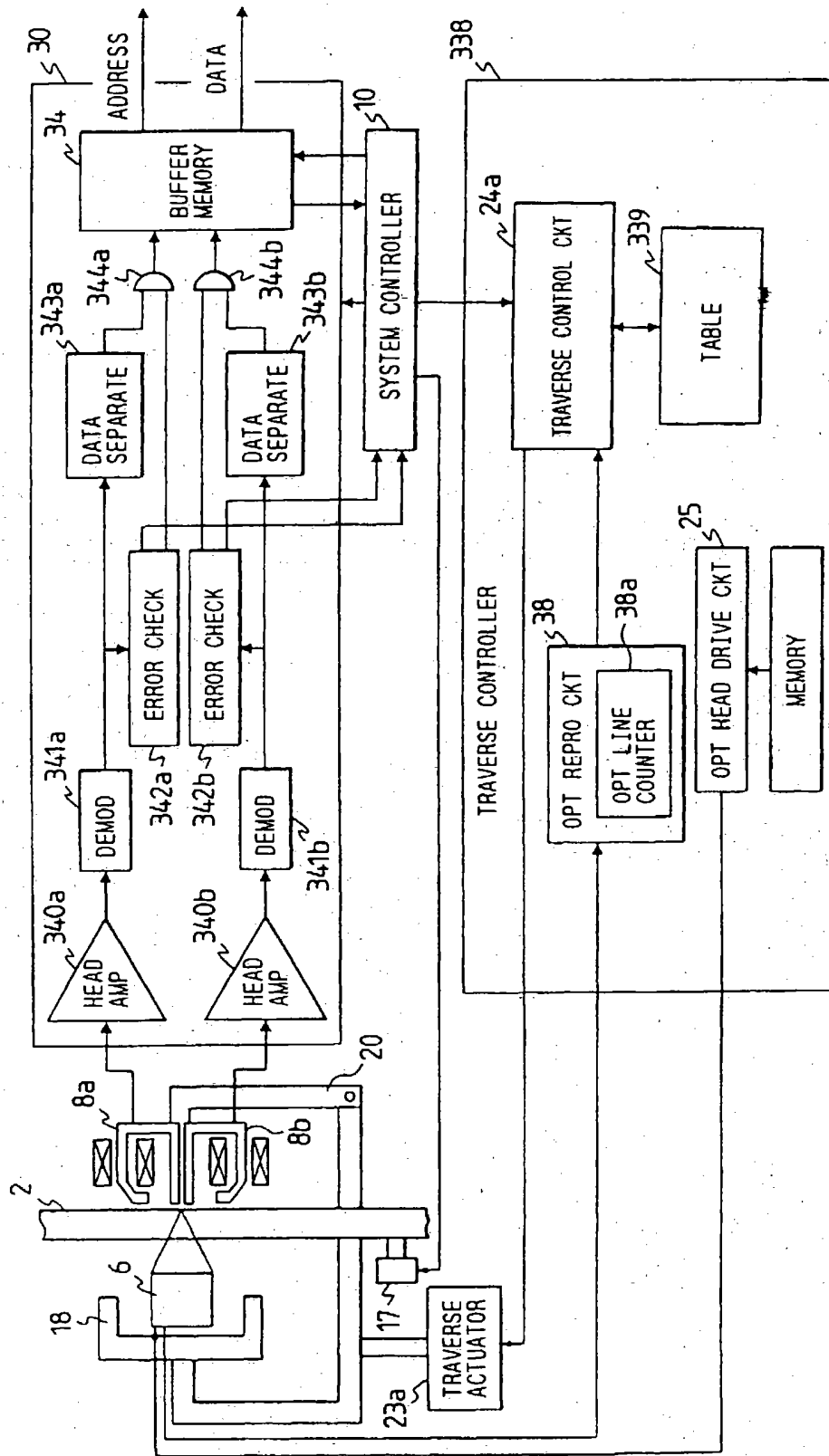


FIG. 94(a)

[illegible]

FIG. 94(b)

T <sub>1</sub>	11	12			25	26	27	28	29	30	31	32	33		25	26	350a
T <sub>2</sub>		22	23	24	25	26							33	34	35		350b
T <sub>3</sub>	21	22			35	36	37	38	39	40	41	42	43	44		36	350c
T <sub>4</sub>	31	32	33	34	35									44	45	46	350d
T <sub>5</sub>	31	32		44	45	46	47	48	49	50	51	52	53	54			350e

FIG. 94(c)

**FIG. 9(c)**

A <sub>1</sub>	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	35 <b>a</b>
A <sub>2</sub>	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	35 <b>b</b>

→ 5

FIG. 95

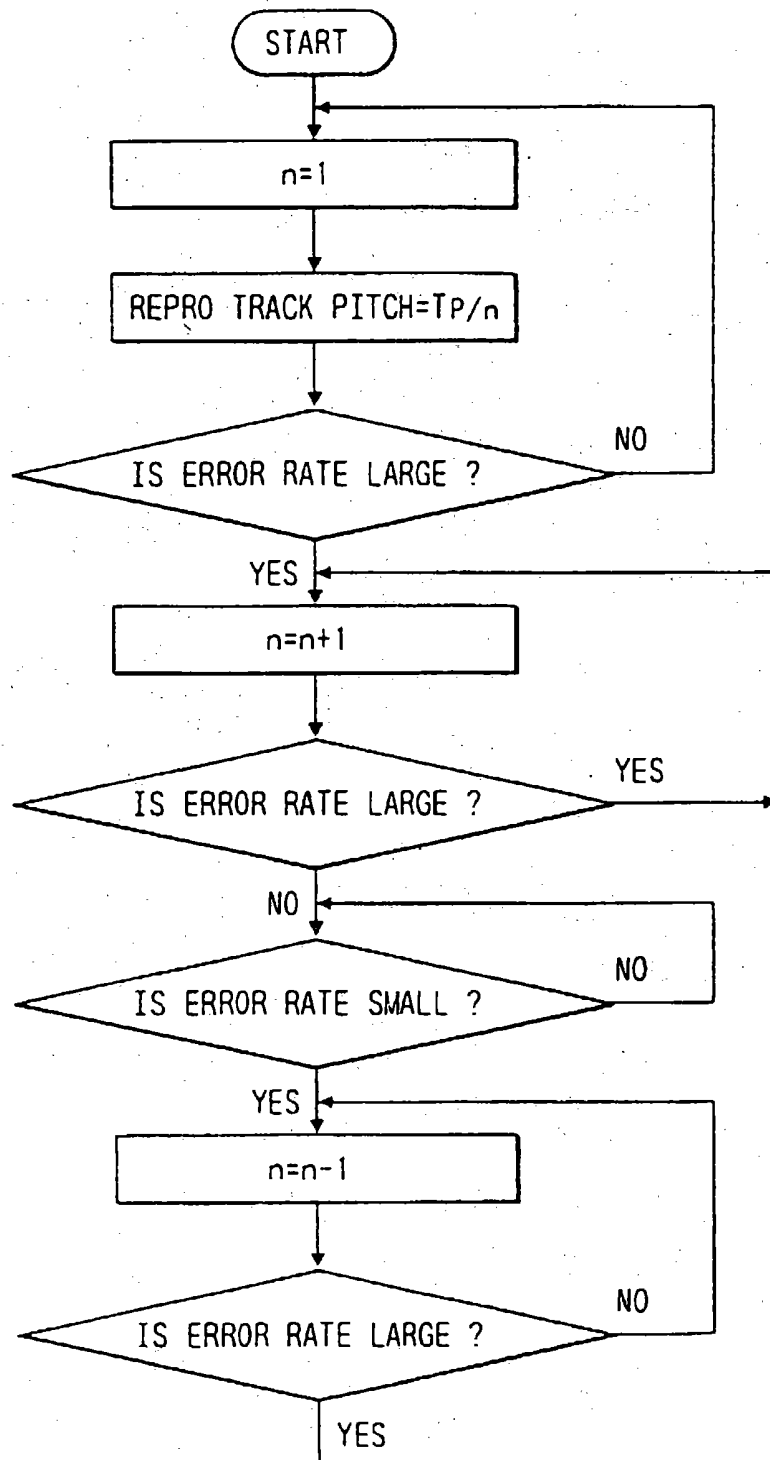


FIG. 96

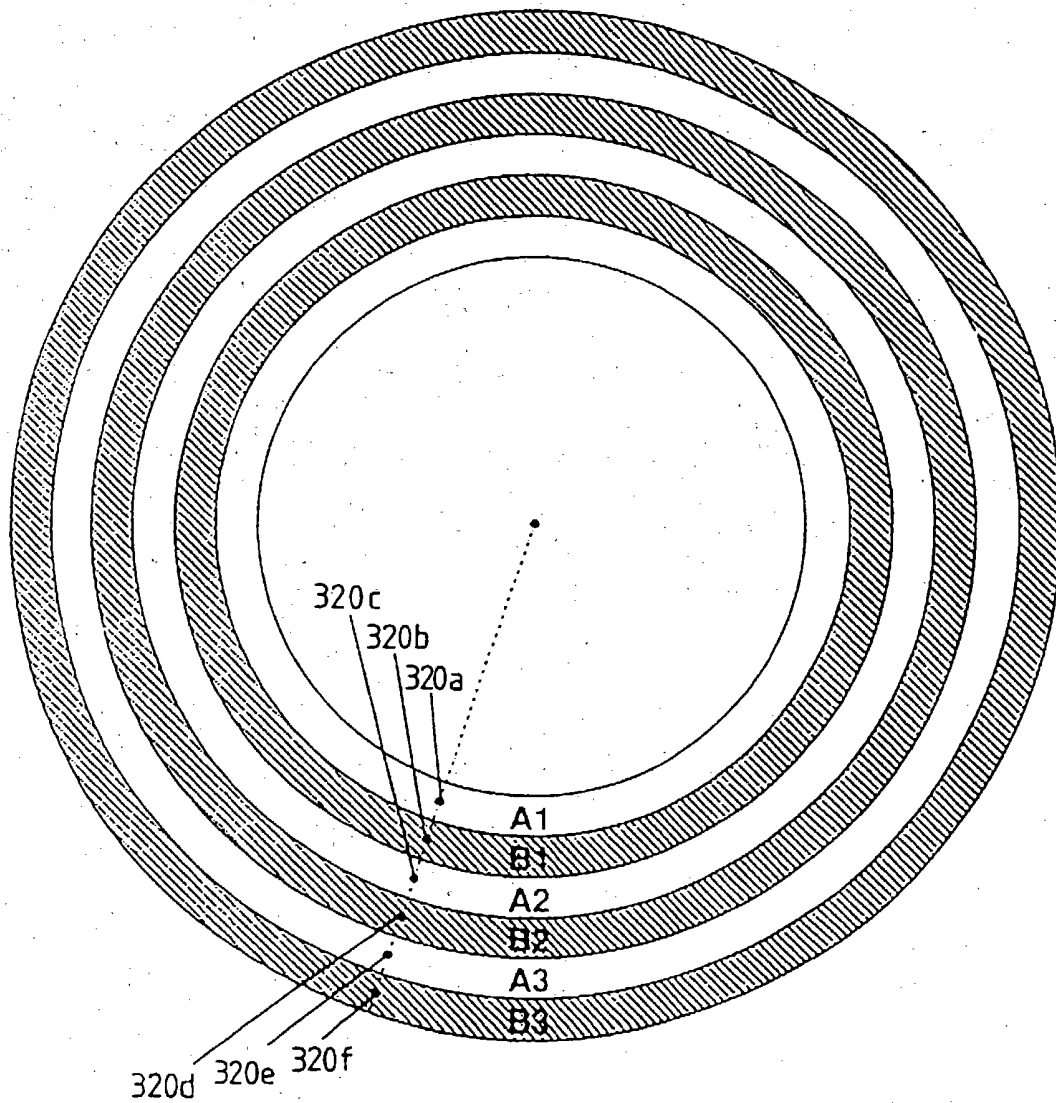
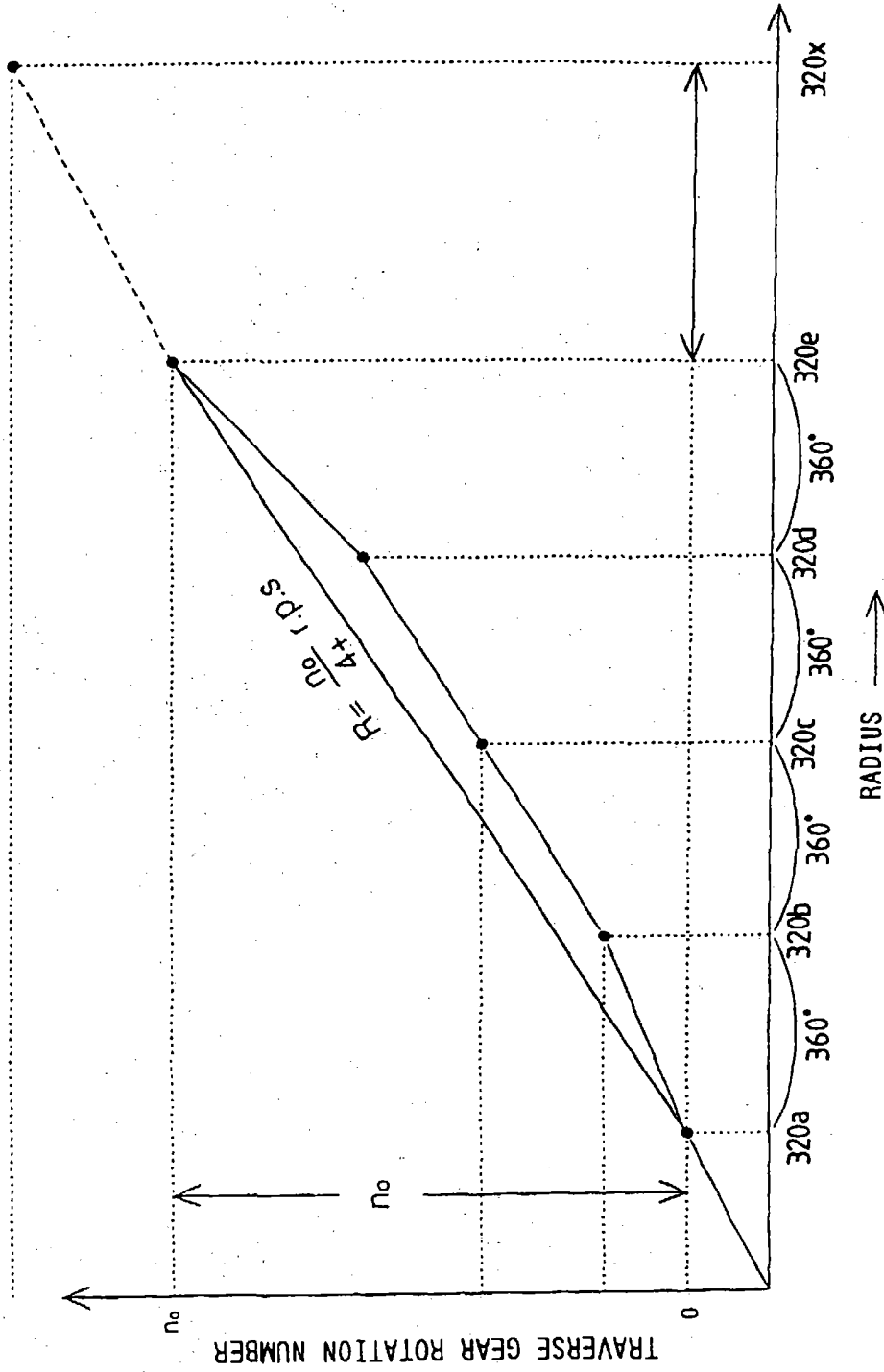




FIG. 97



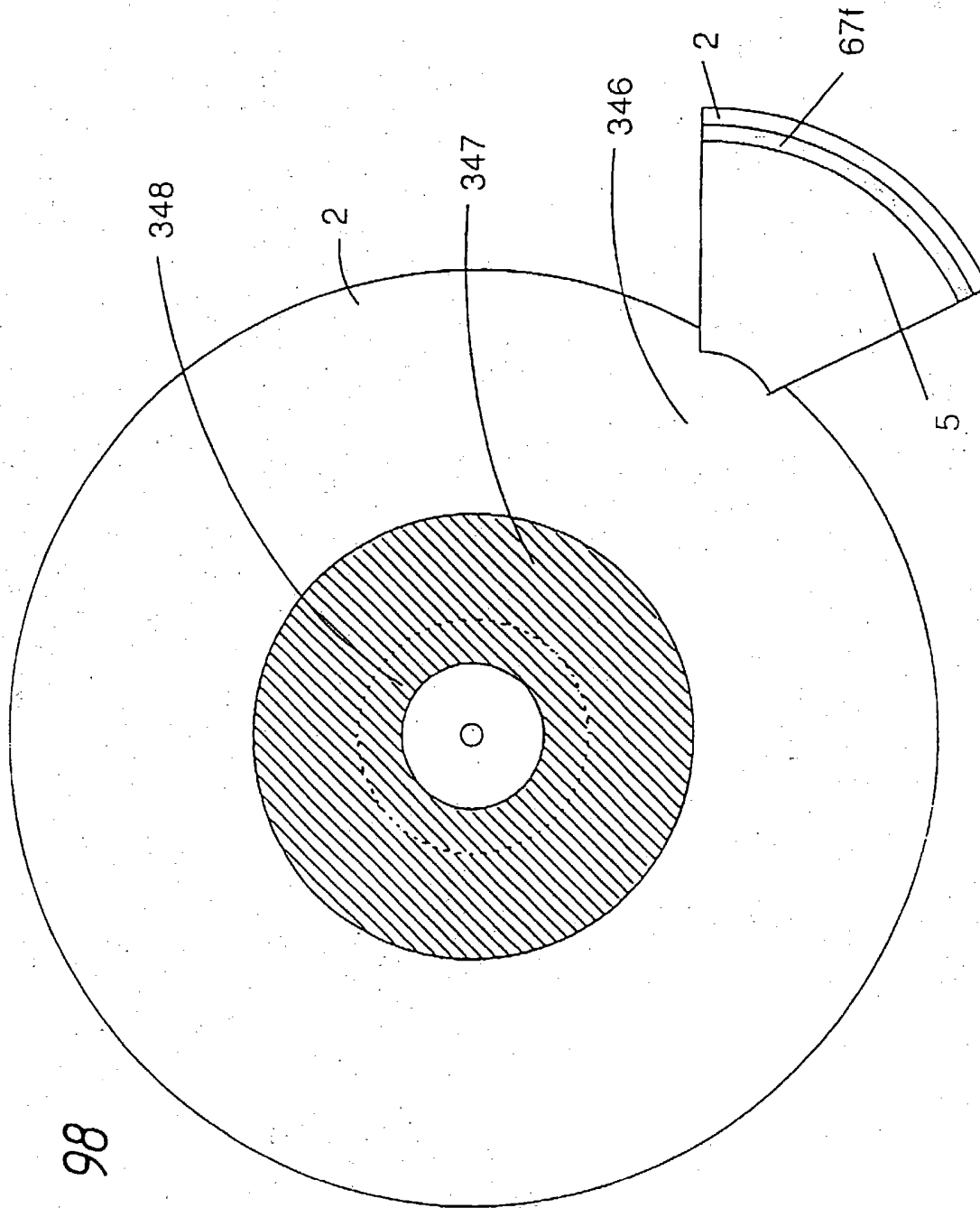


FIG. 98

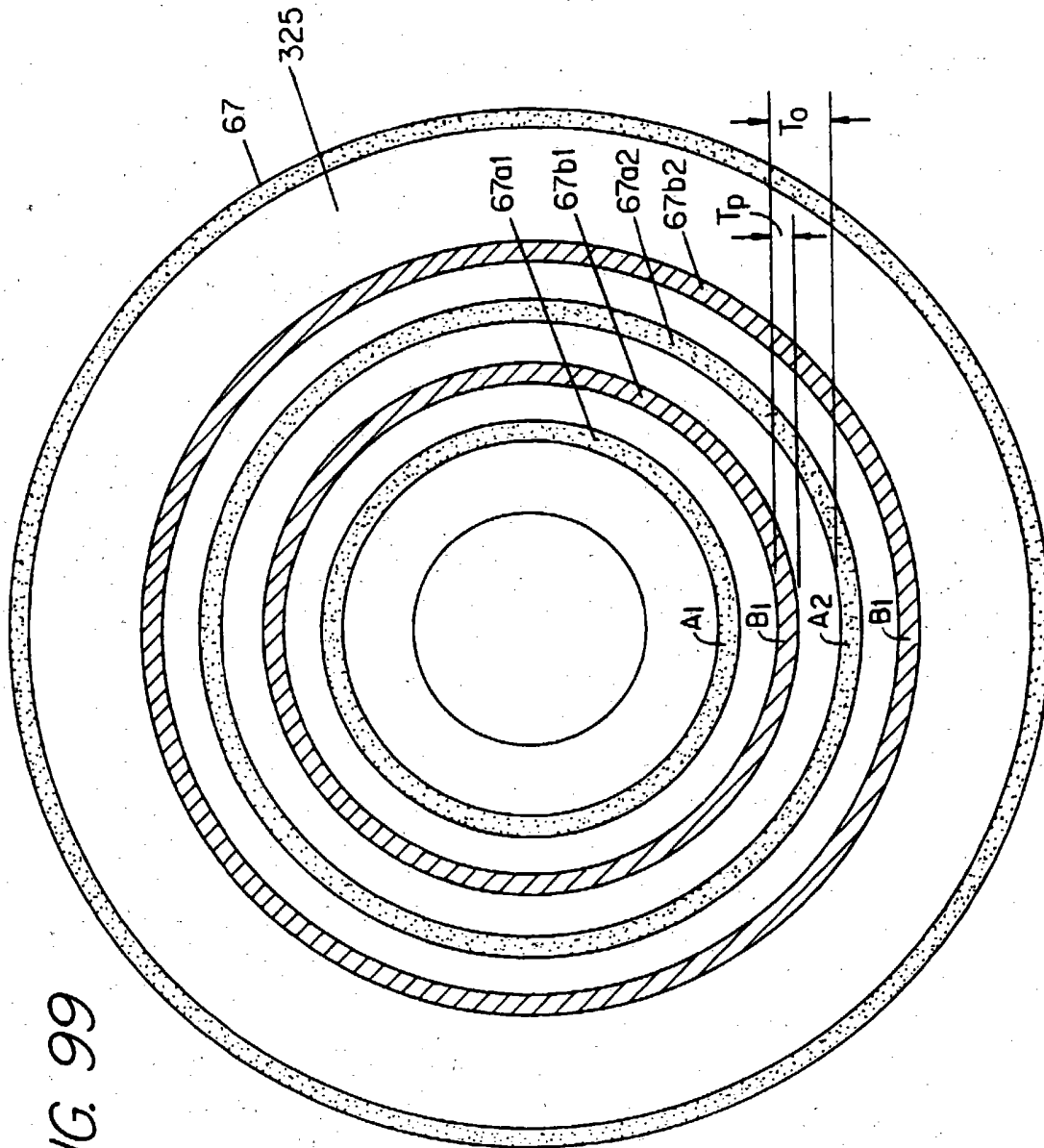


FIG. 99

FIG. 100

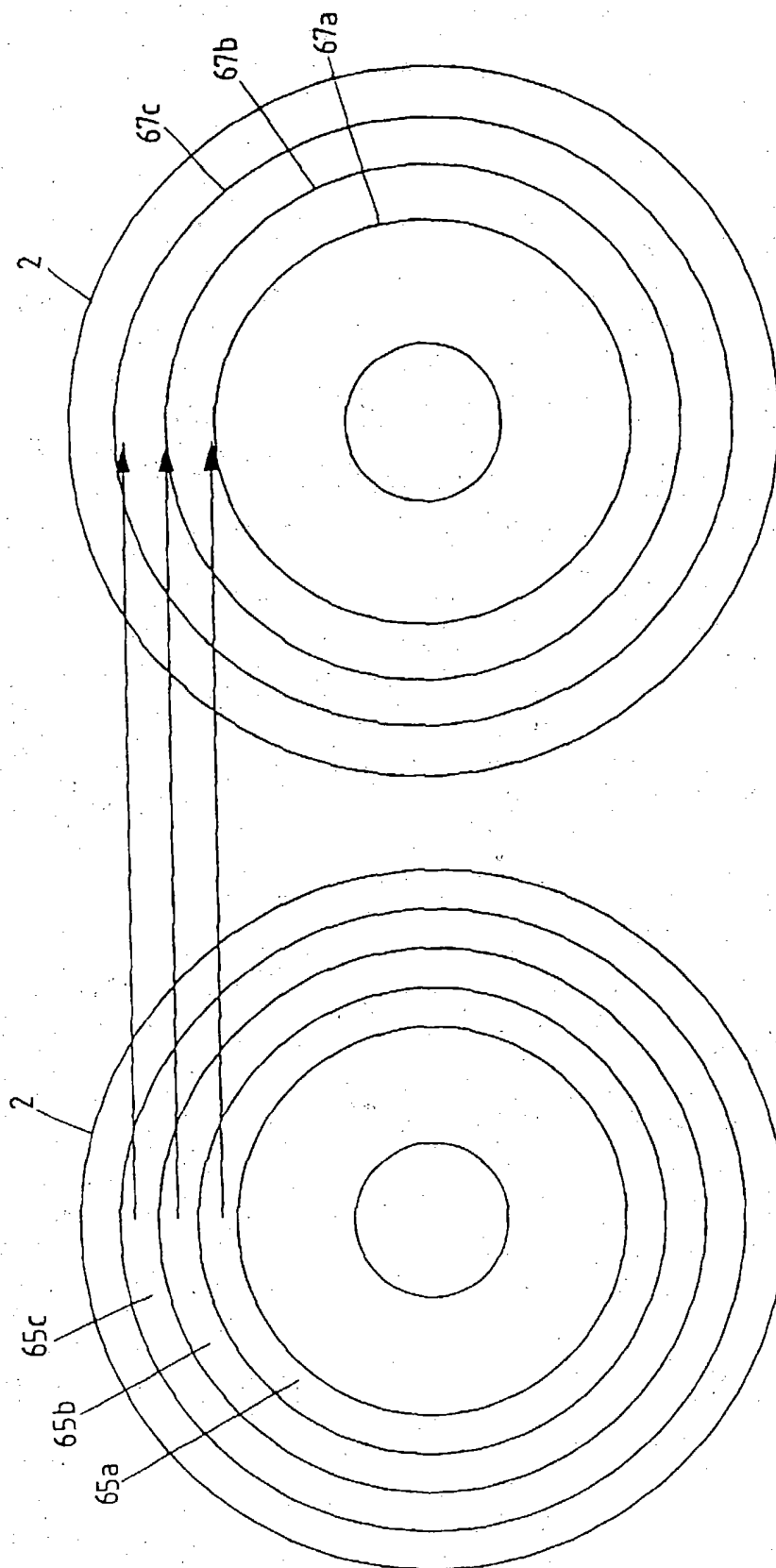


FIG. 101(a)

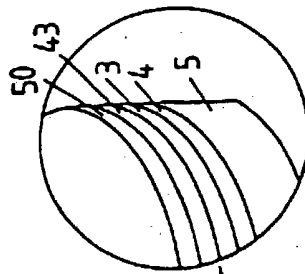
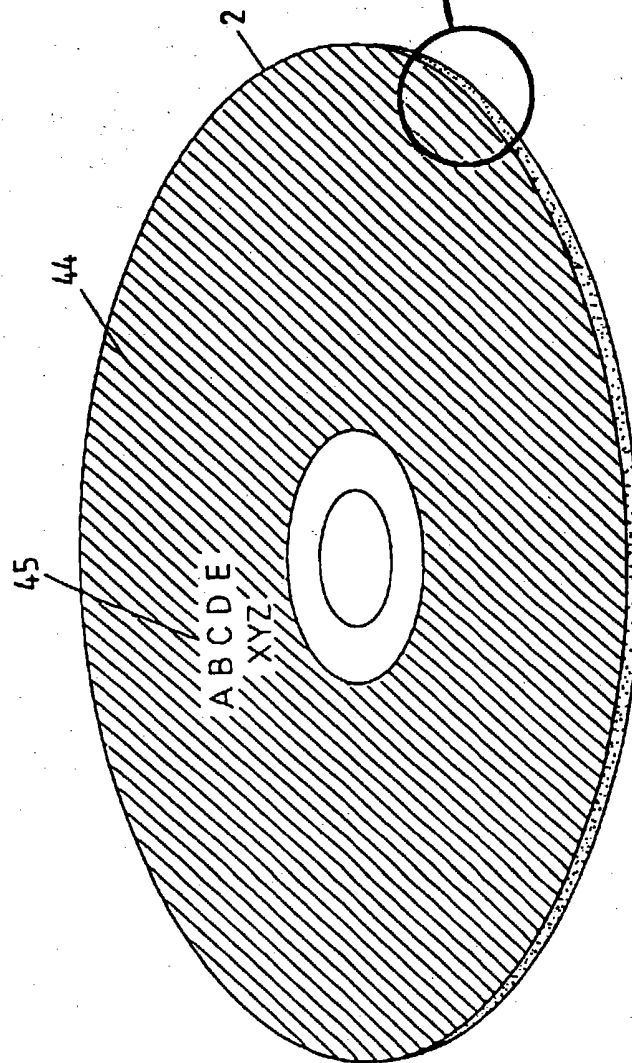
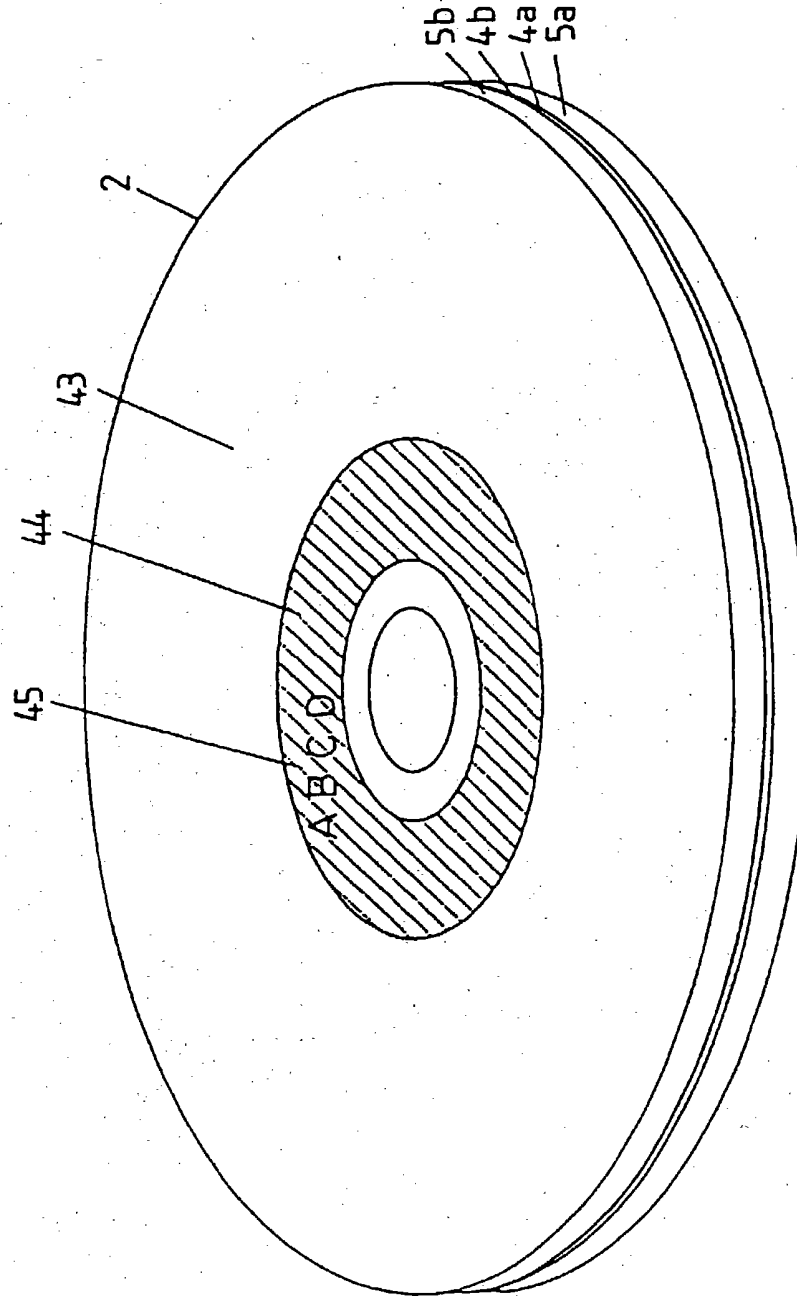
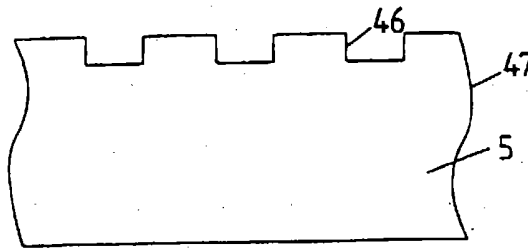


FIG. 101(b)

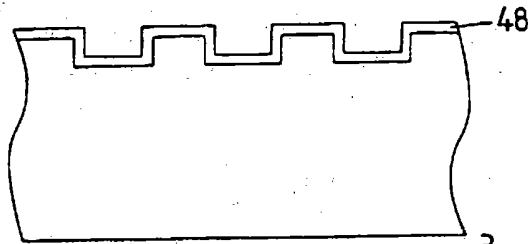
FIG. 102



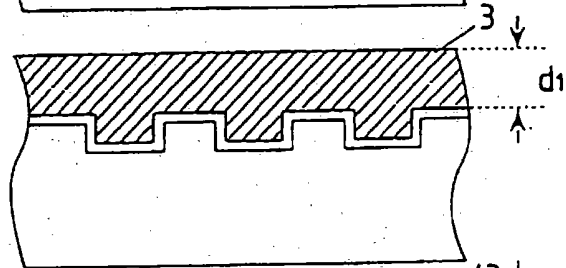
$P = 1$   
FIG. 103(a)



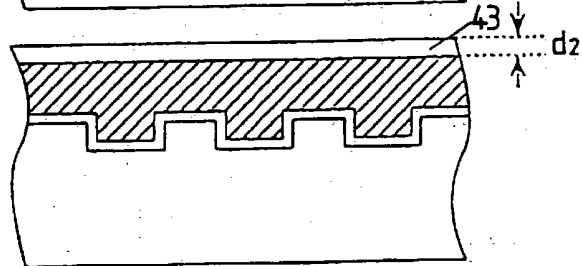
$P = 2$   
FIG. 103(b)



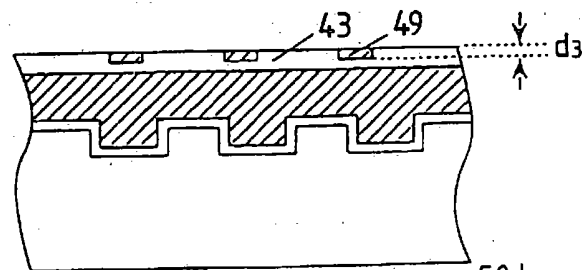
$P = 3$   
FIG. 103(c)



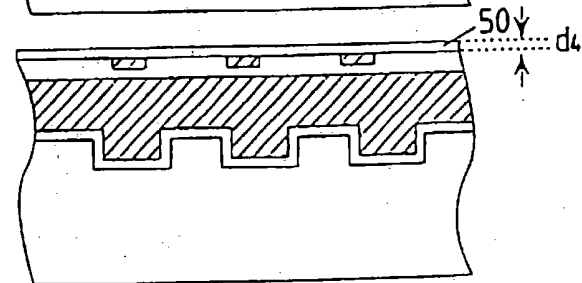
$P = 4$   
FIG. 103(d)



$P = 5$   
FIG. 103(e)



$P = 6$   
FIG. 103(f)



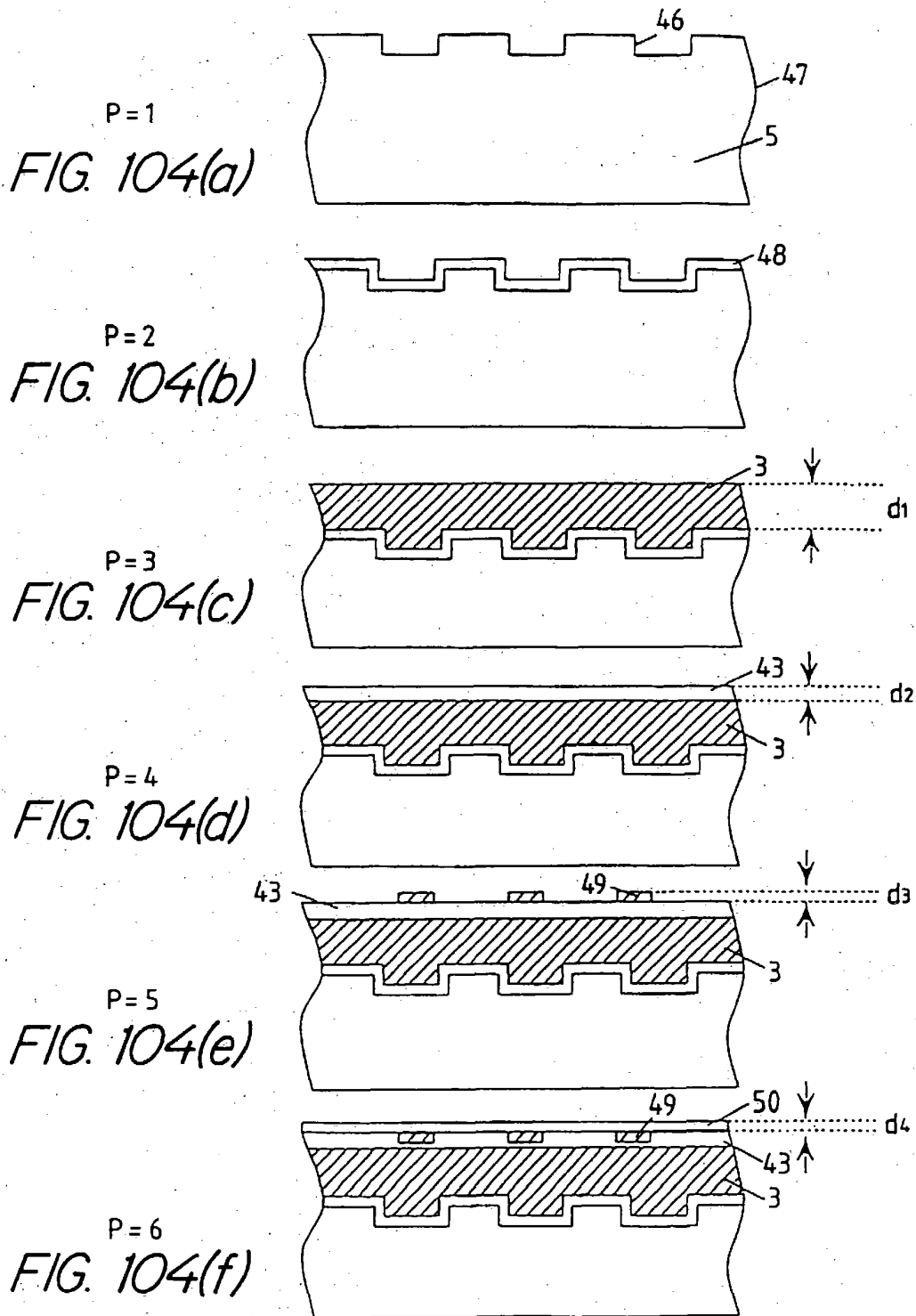




FIG. 105

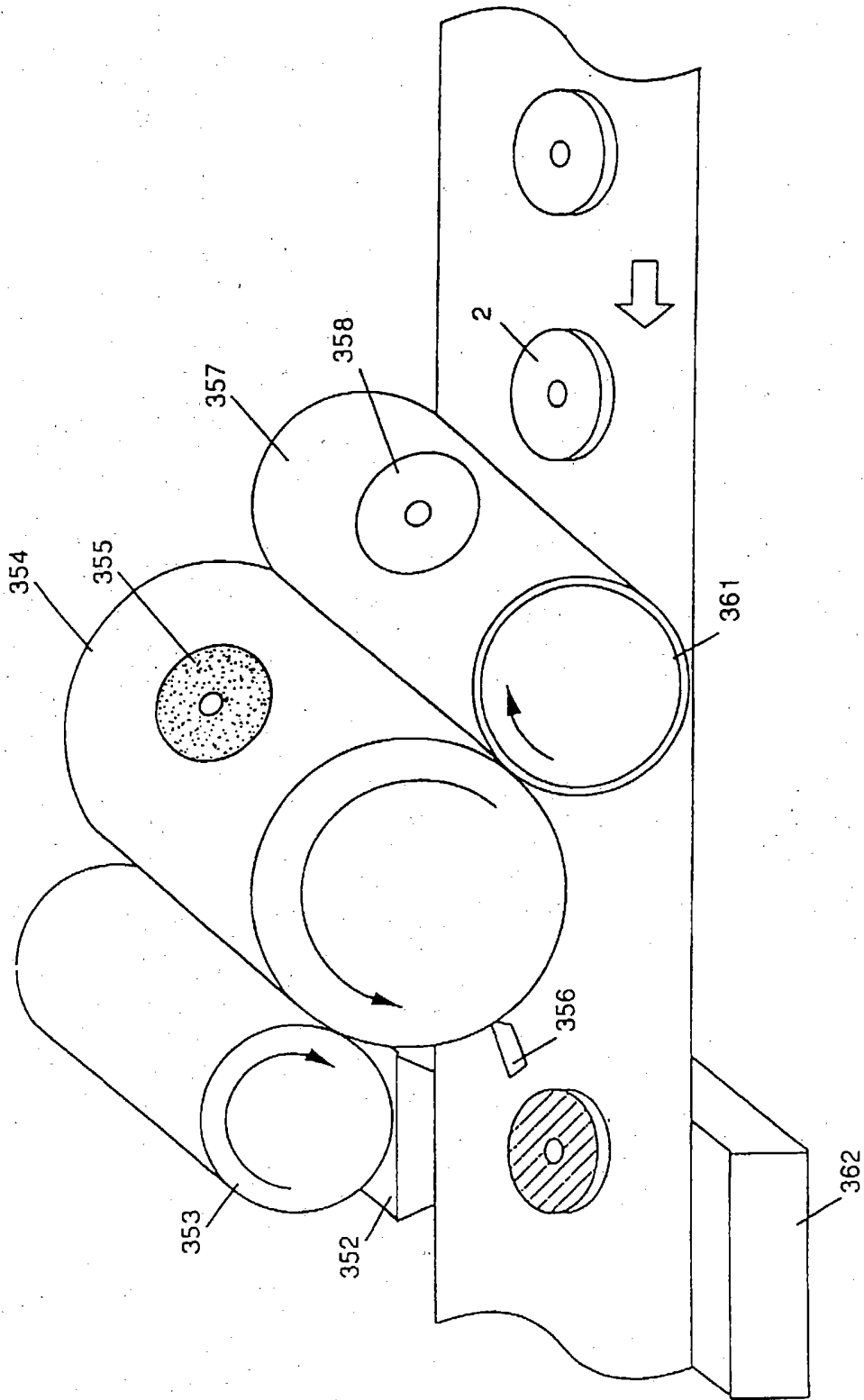


FIG. 106(a)

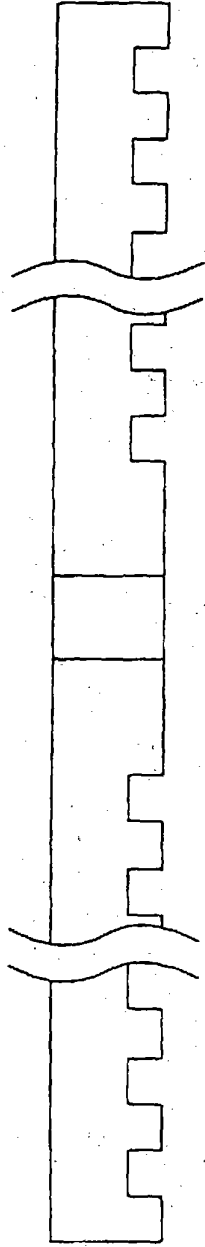


FIG. 106(b)

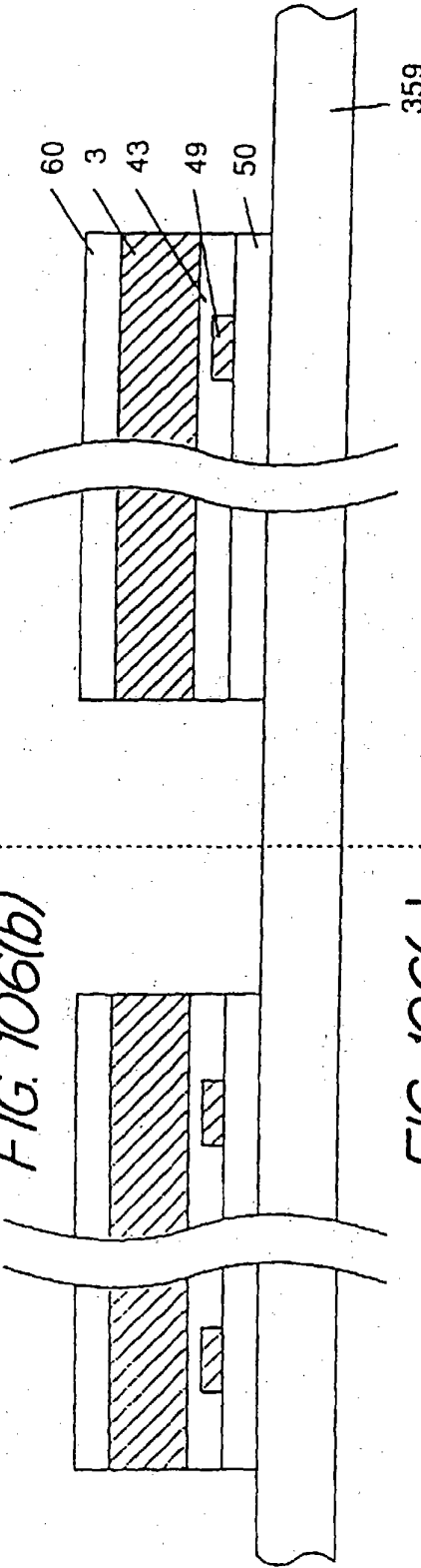


FIG. 106(c)

362

359

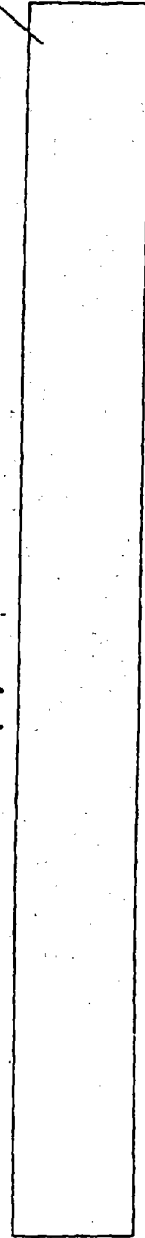


FIG. 107(a)

P = 1

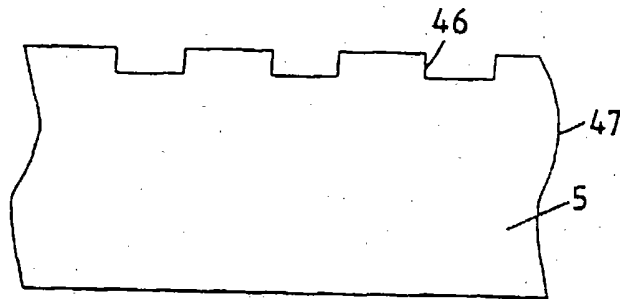


FIG. 107(b)

P = 2

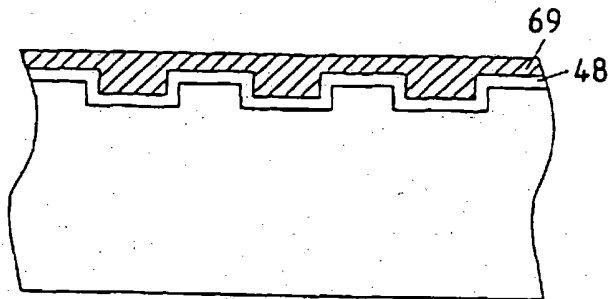


FIG. 107(c)

P = 3

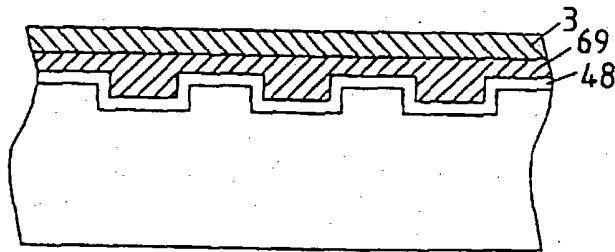


FIG. 107(b)

P = 4

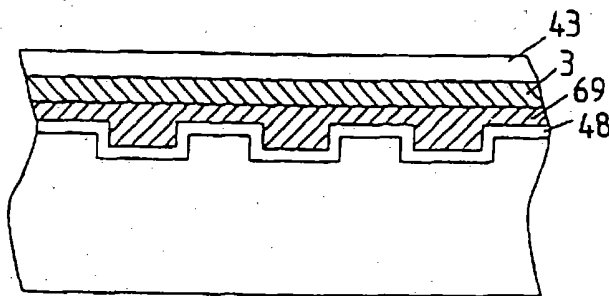


FIG. 107(e)

P = 5

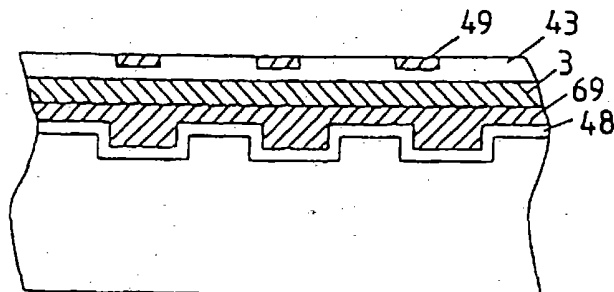


FIG. 108(a)

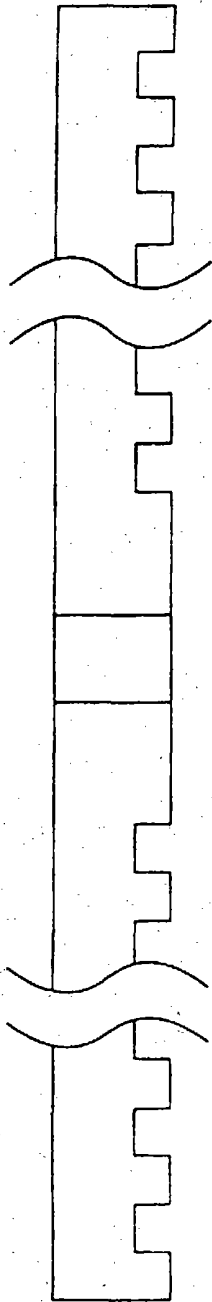


FIG. 108(b)

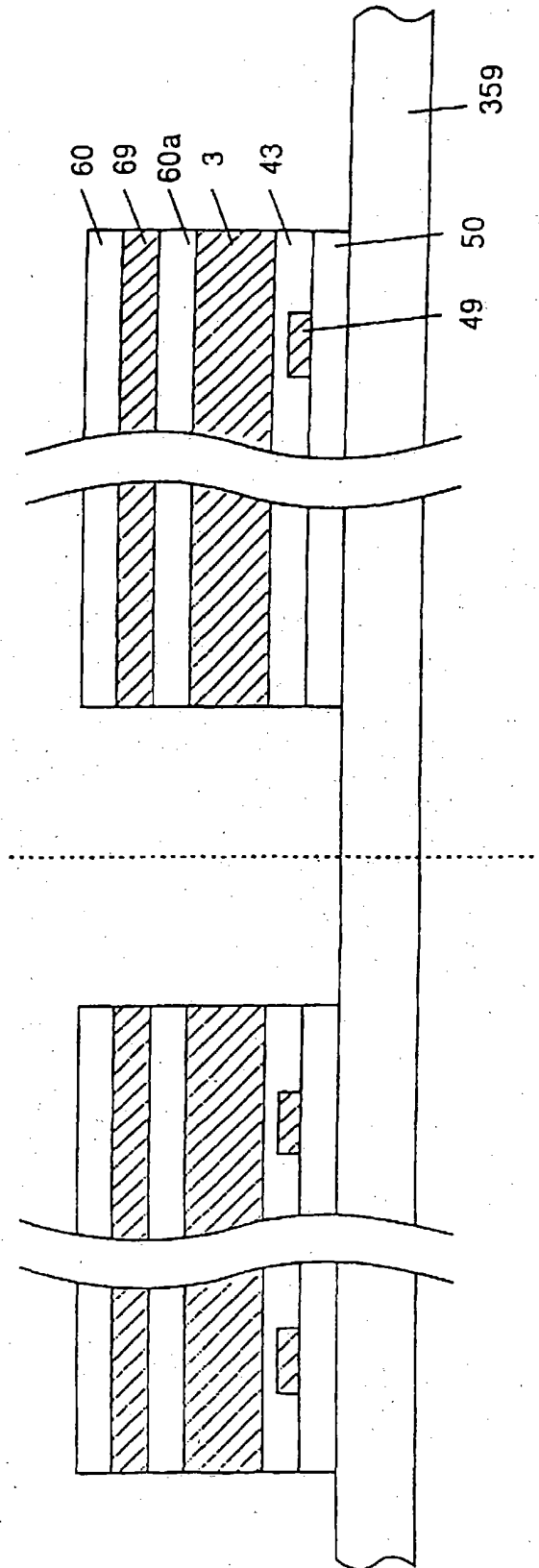


FIG. 109

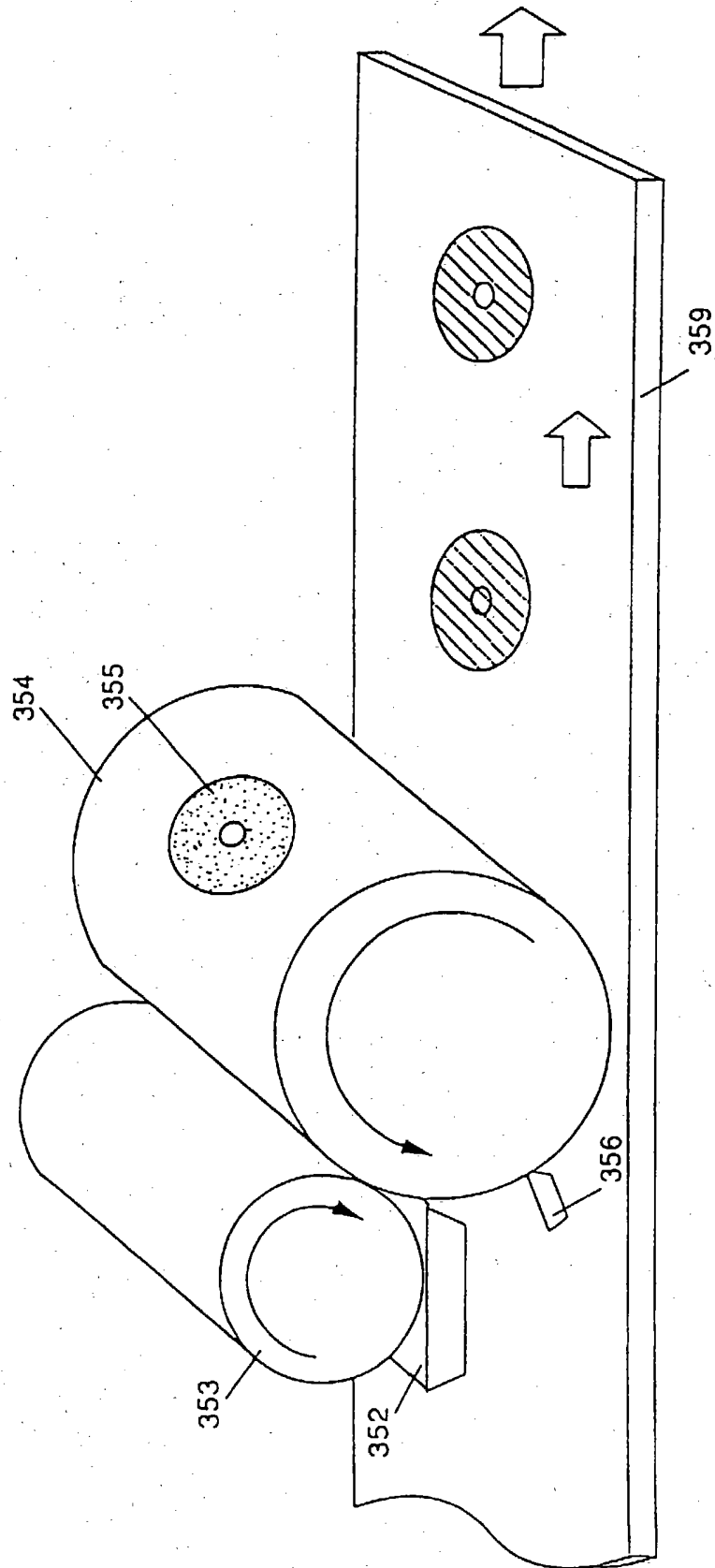


FIG. 110

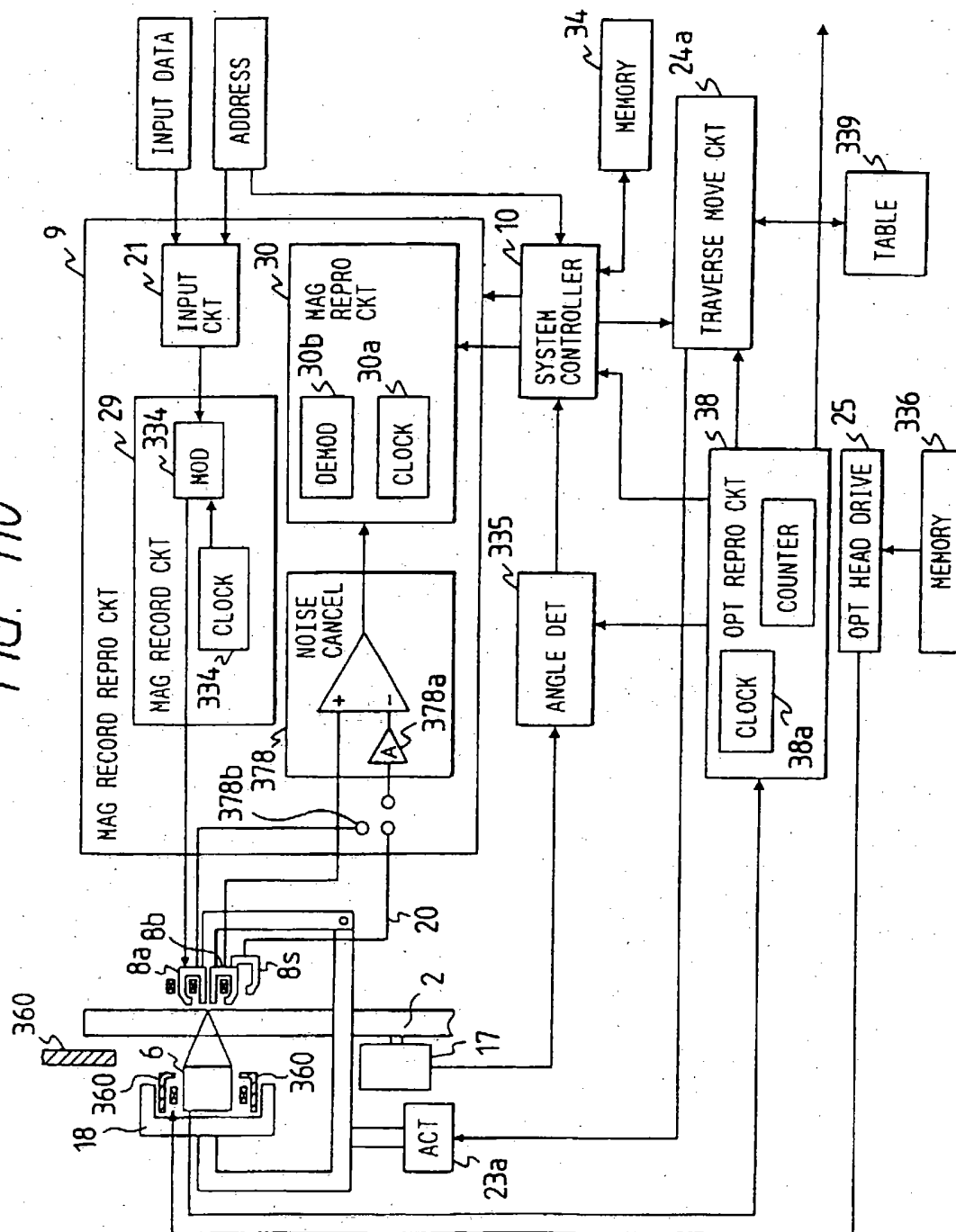


FIG. 111

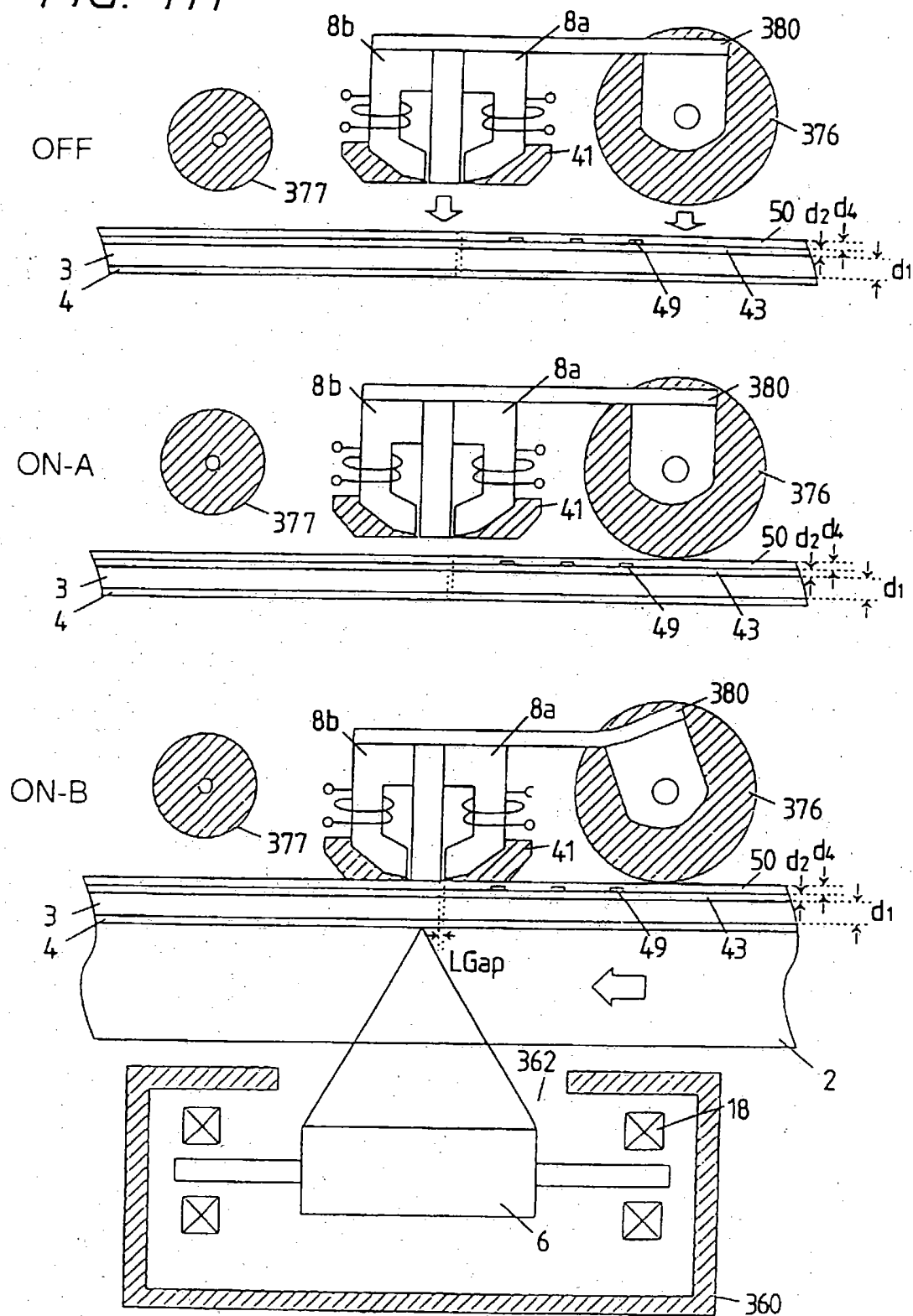


FIG. 112

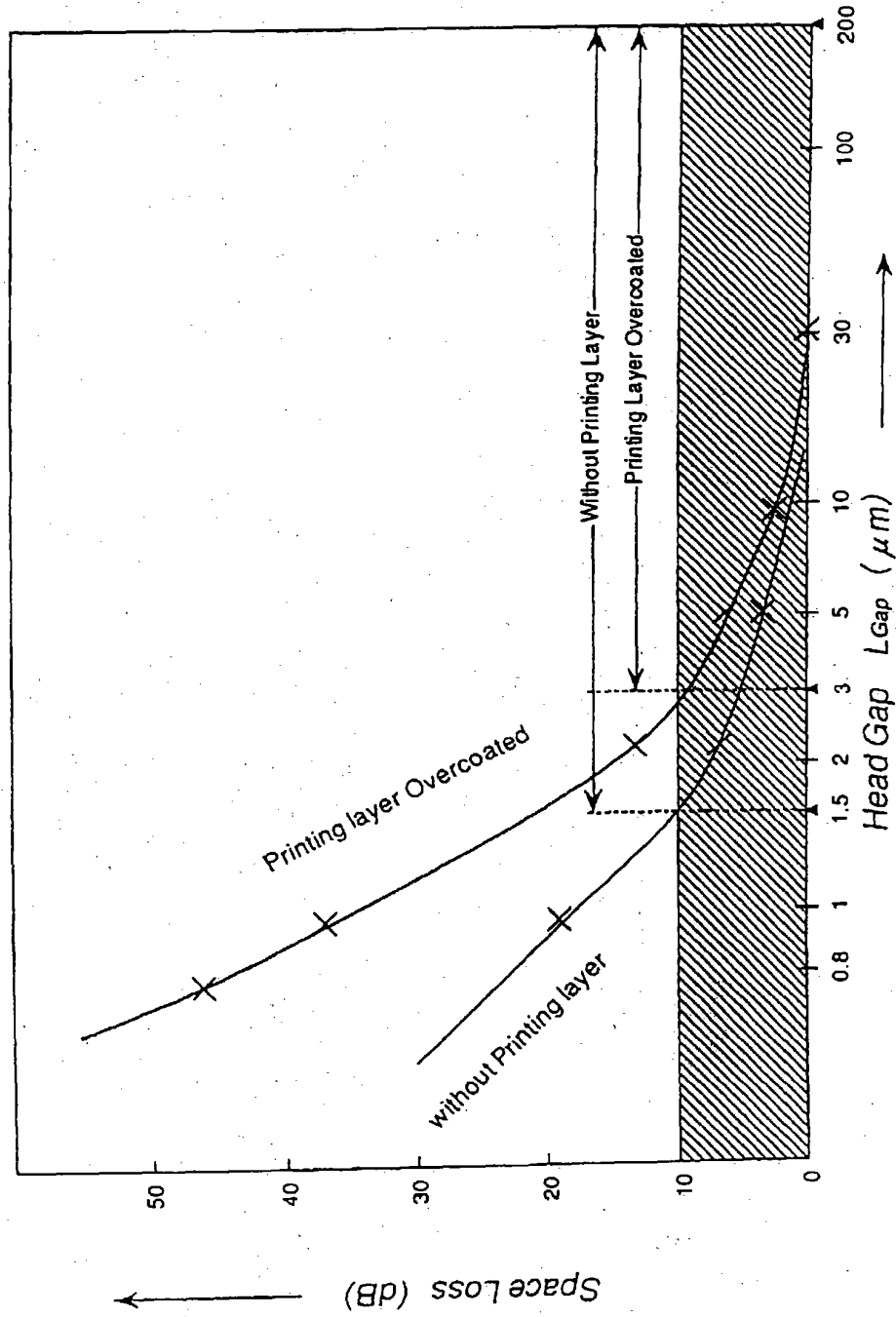
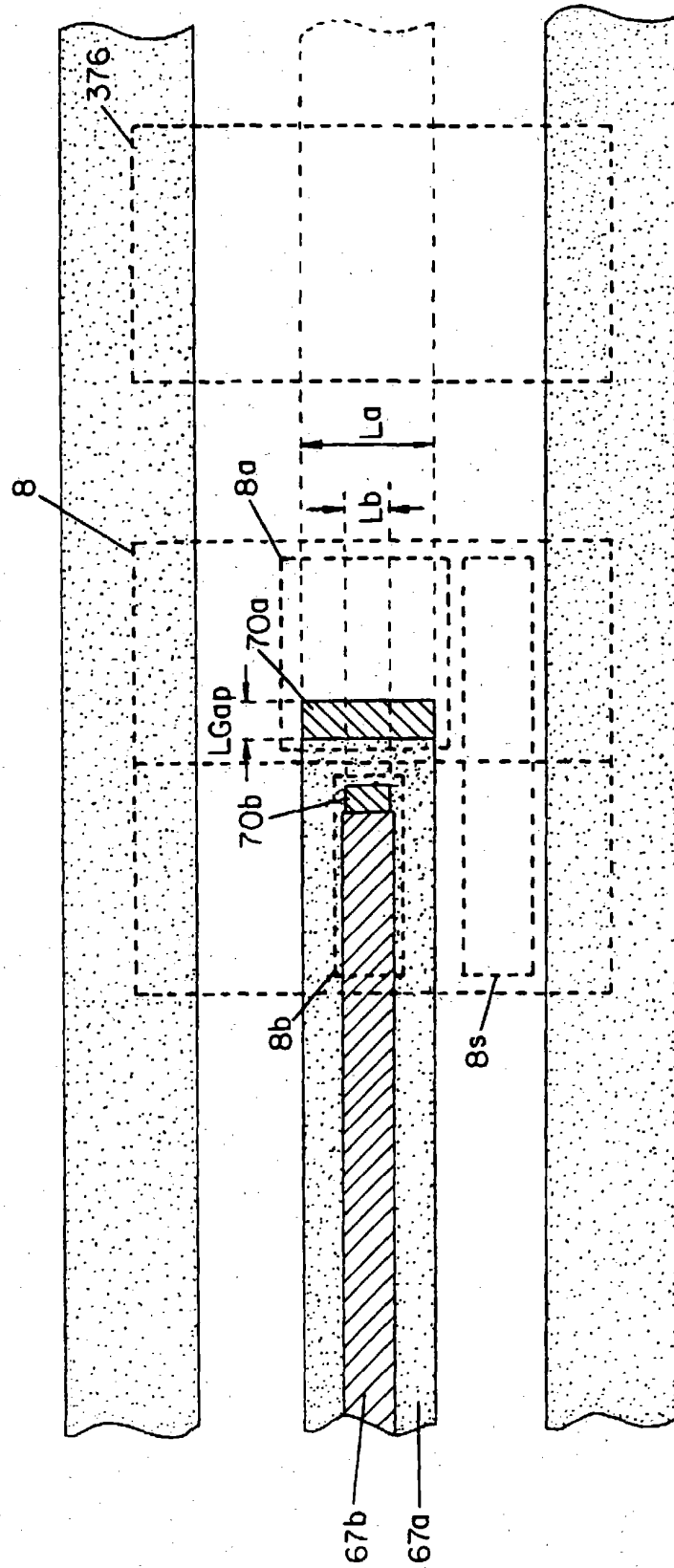




FIG. 113



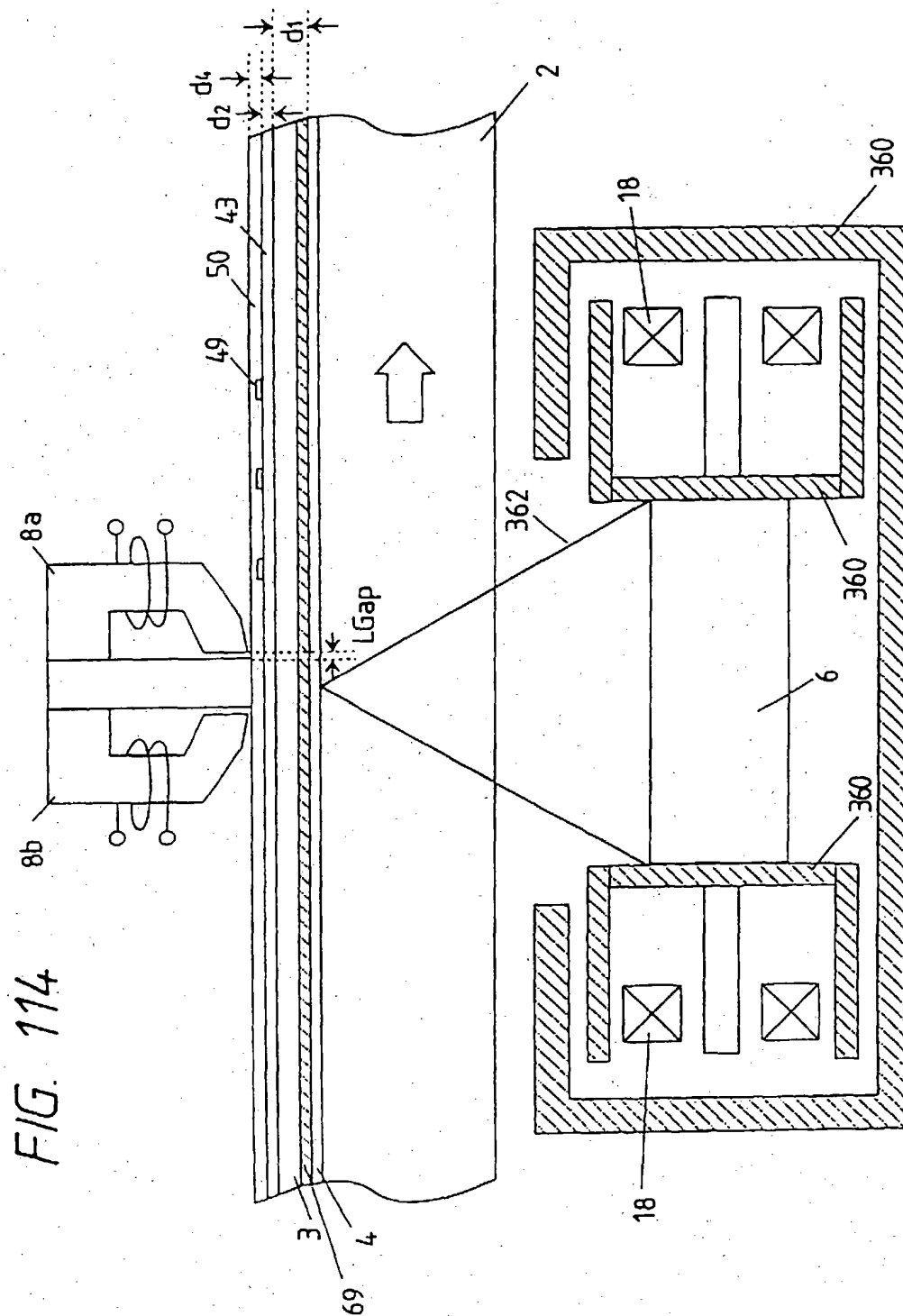


FIG. 115(a)

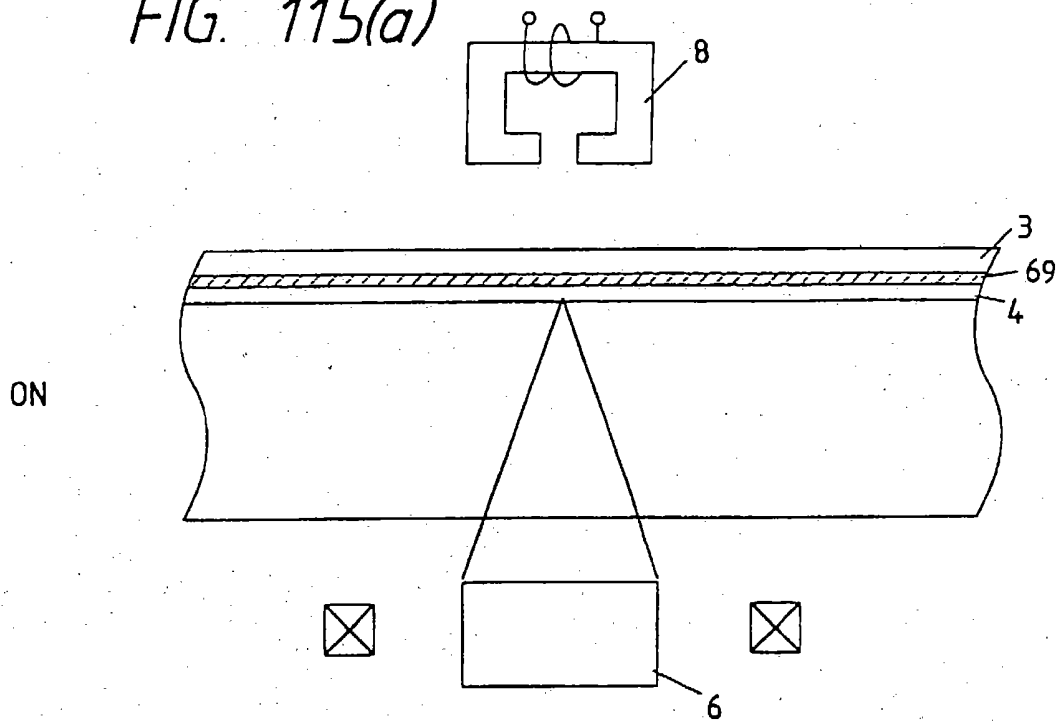


FIG. 115(b)

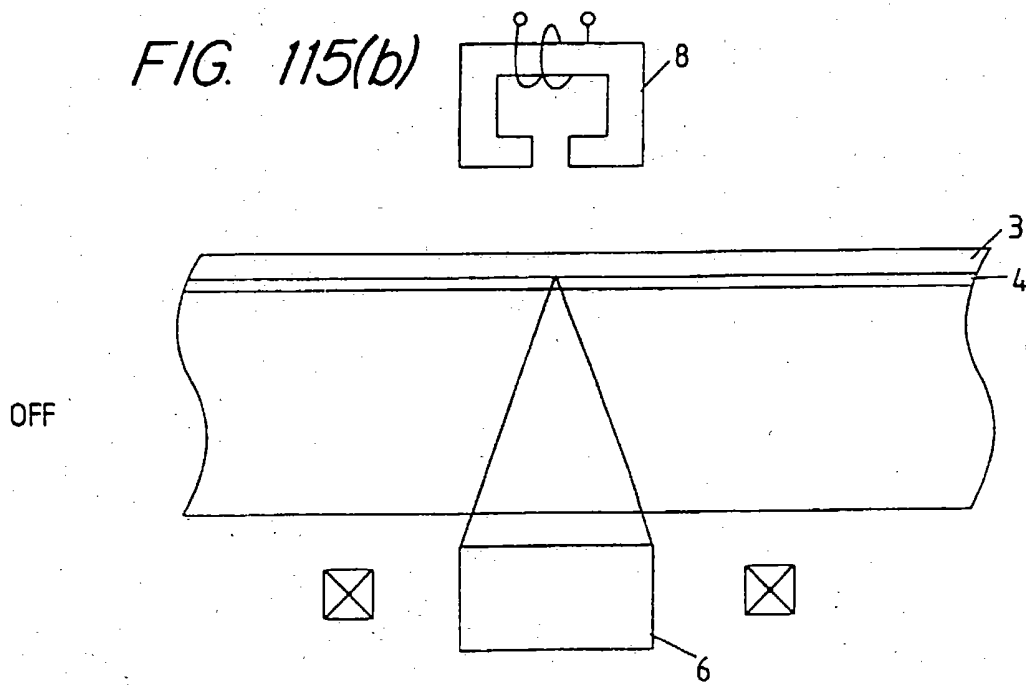


FIG. 116

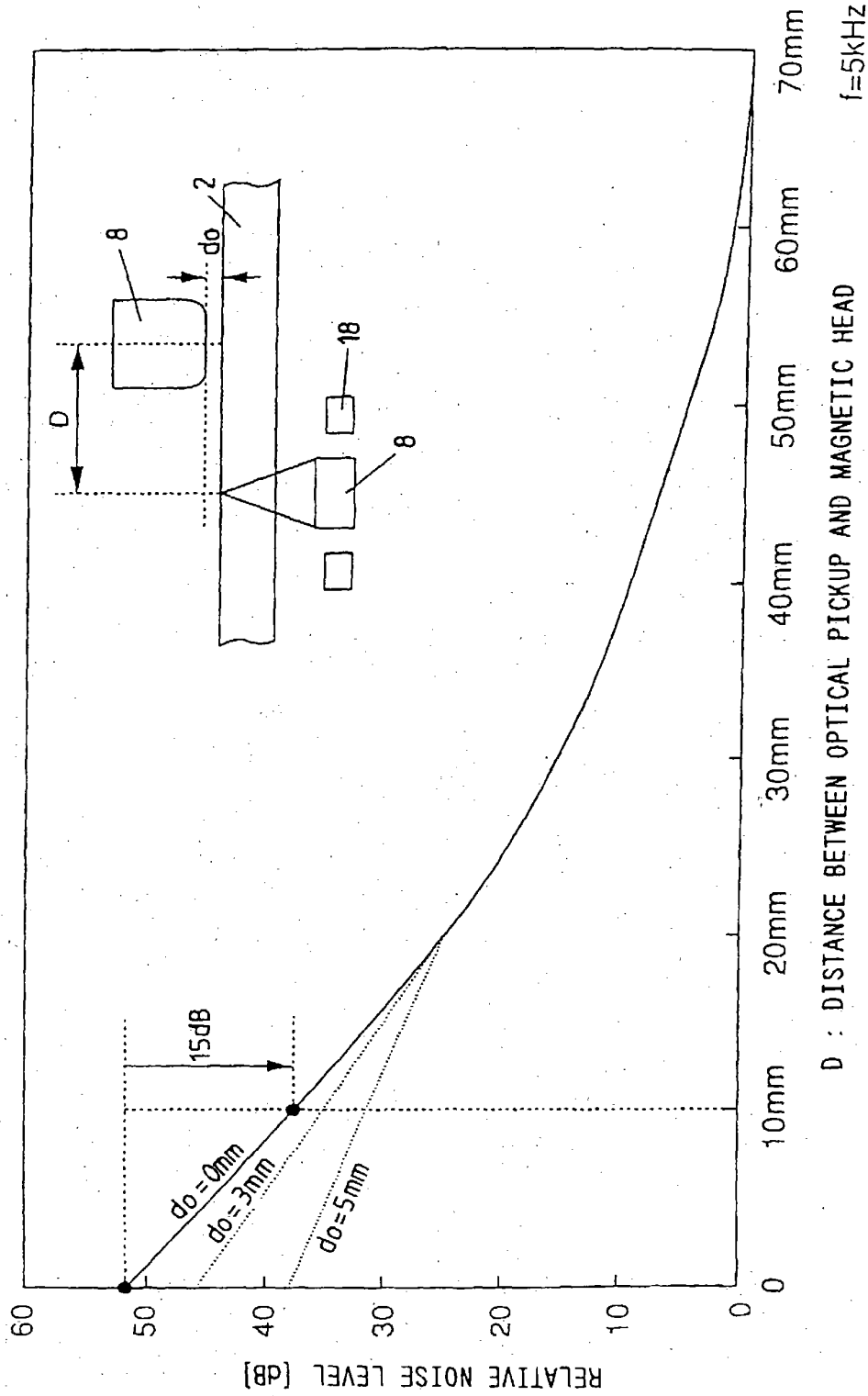
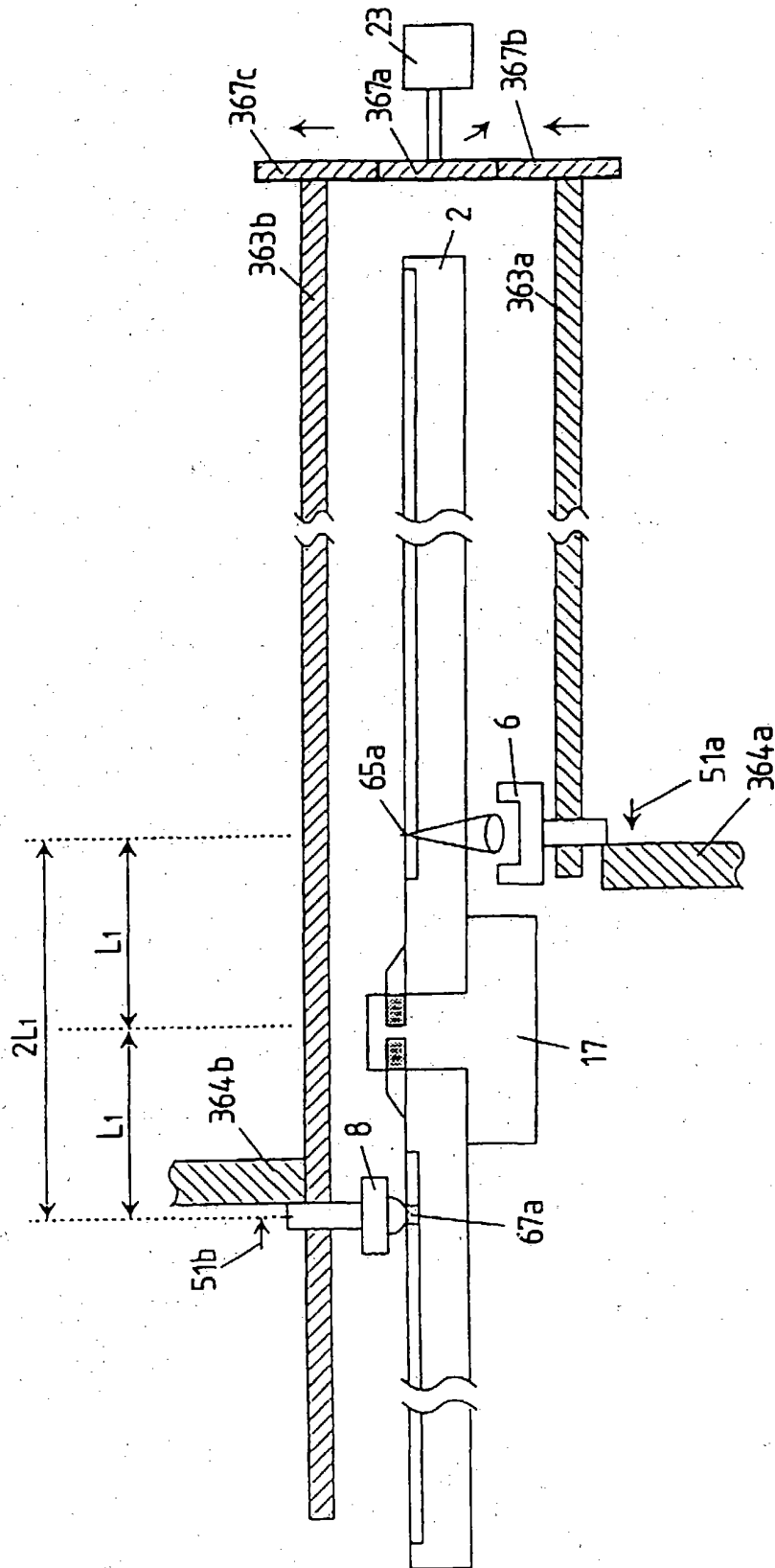


FIG. 117



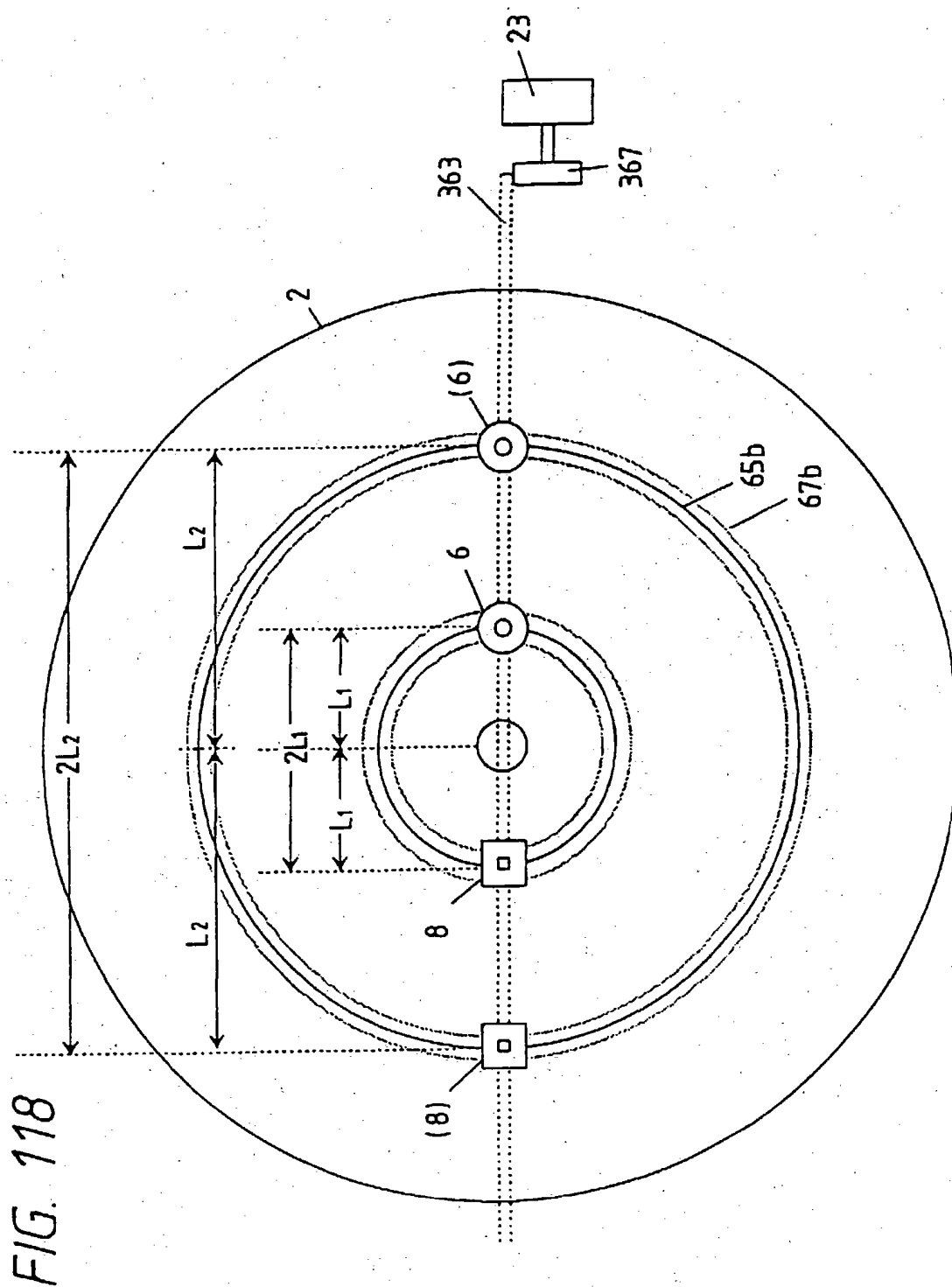


FIG. 119

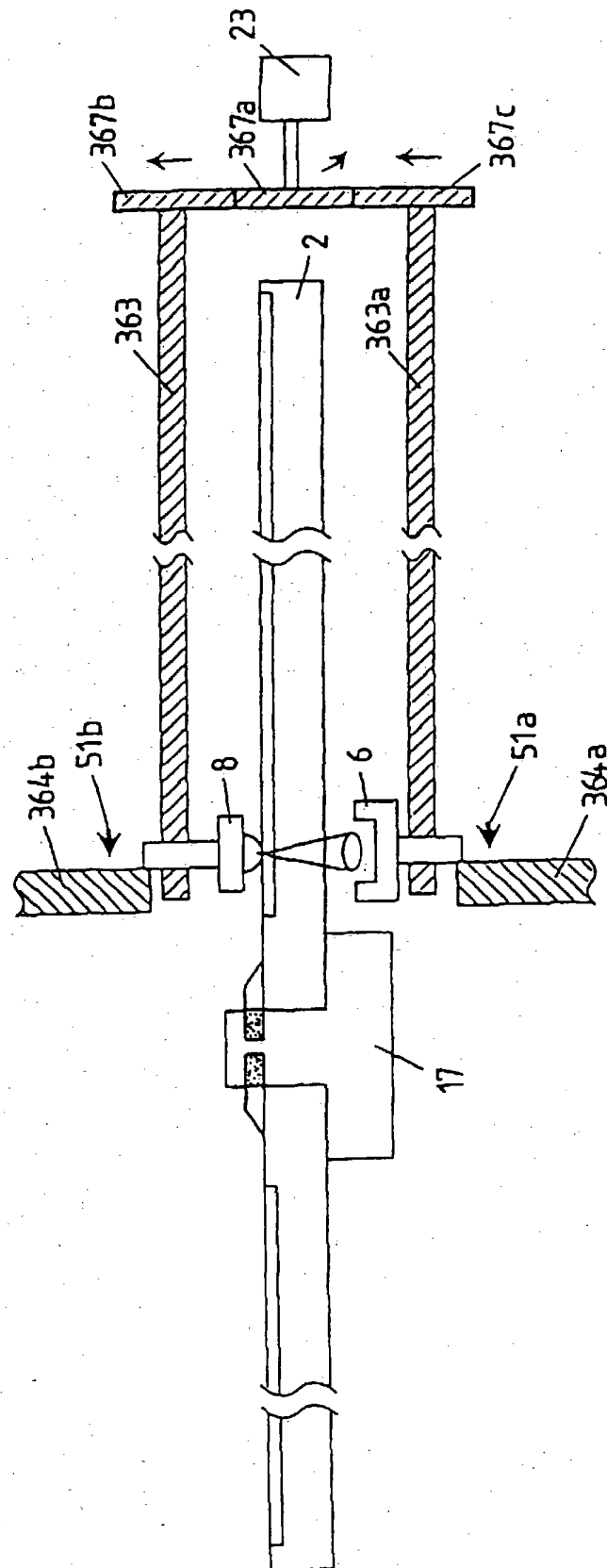


FIG. 120

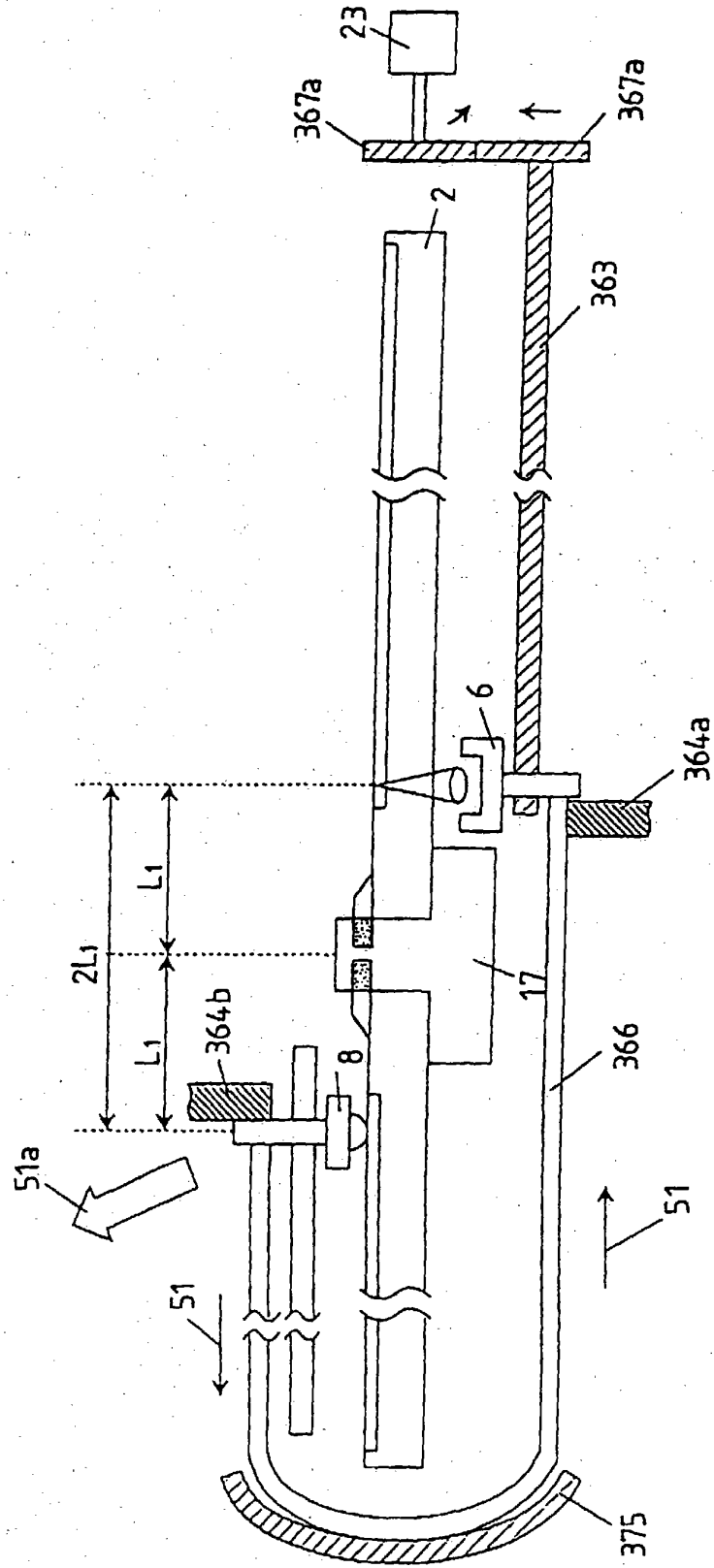




FIG. 121

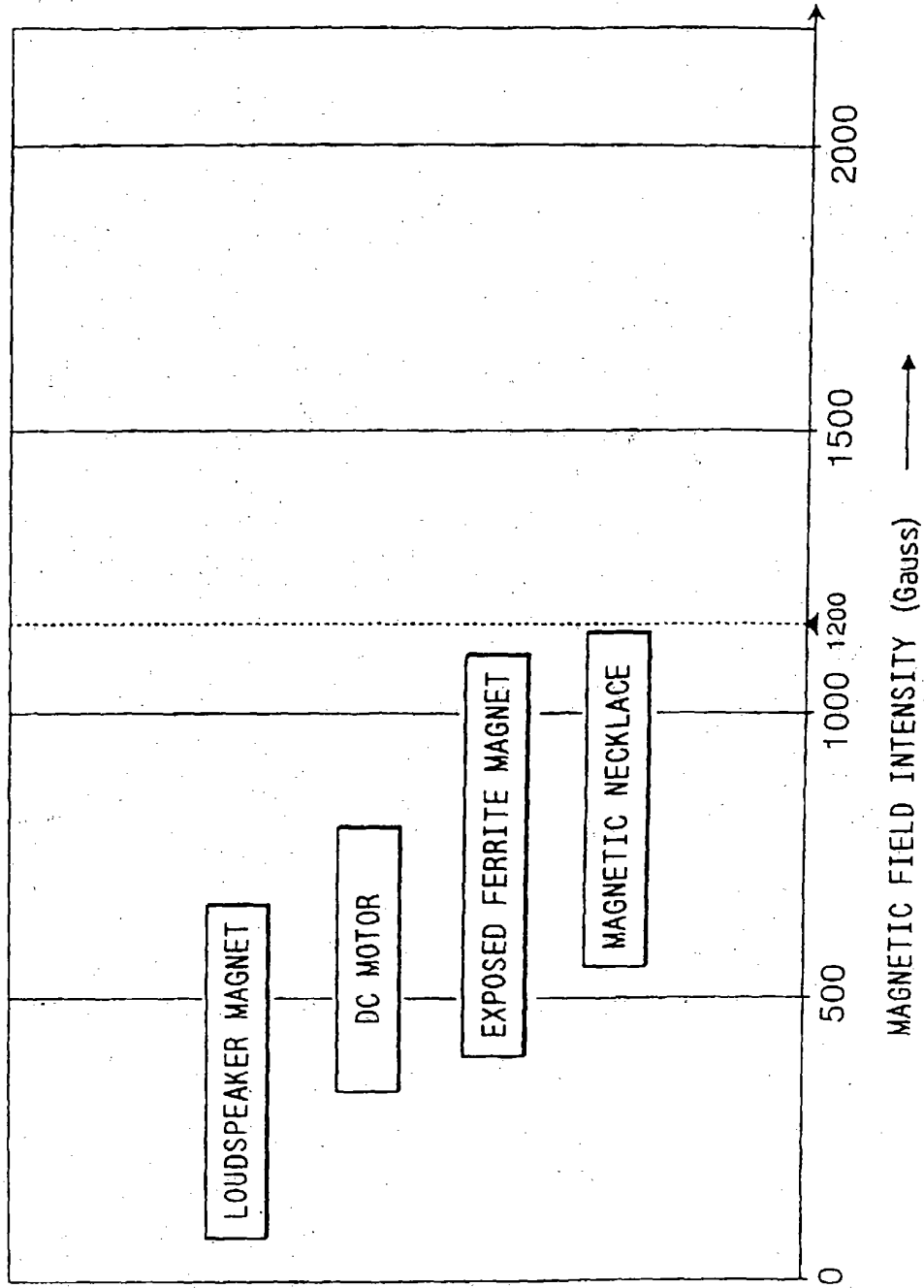


FIG. 122

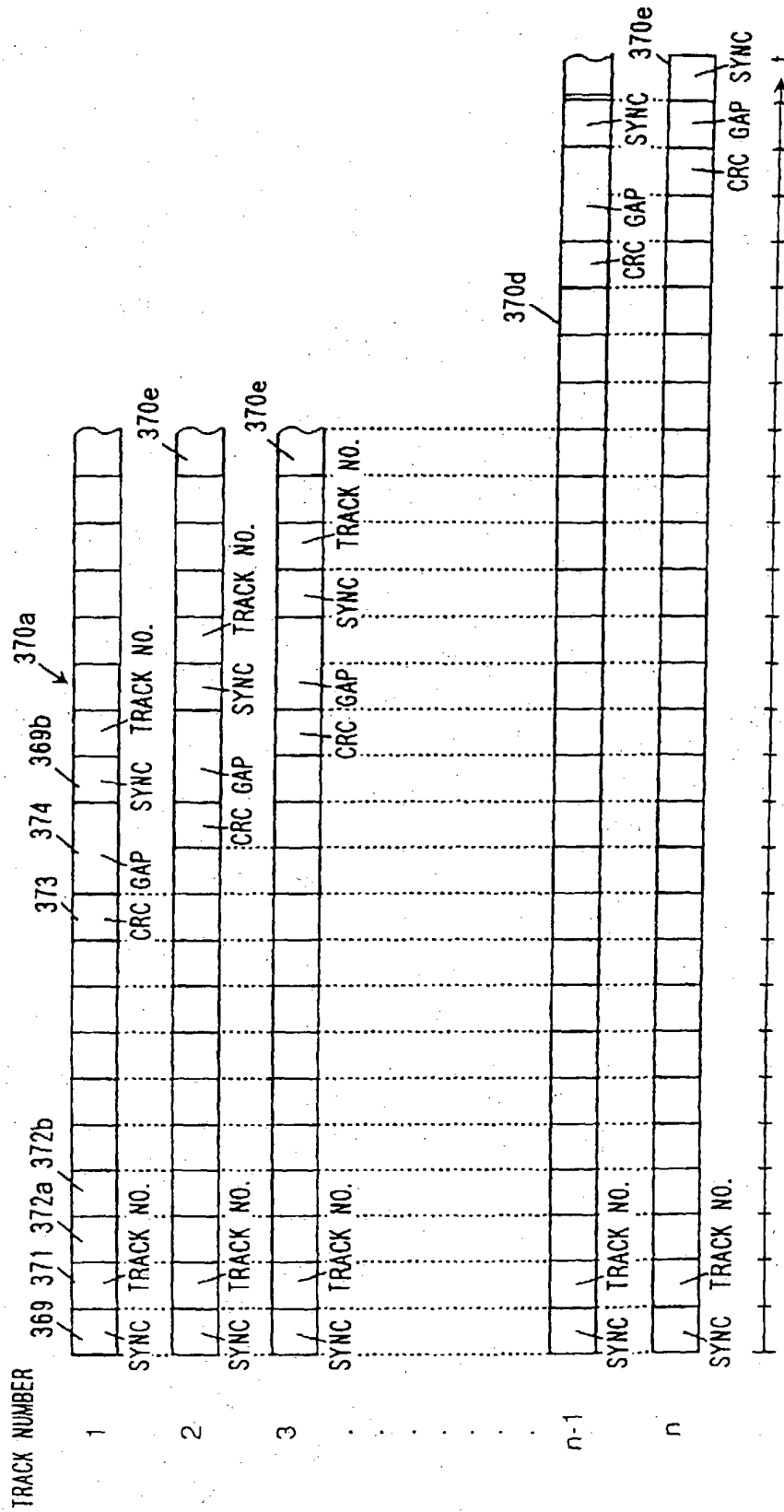
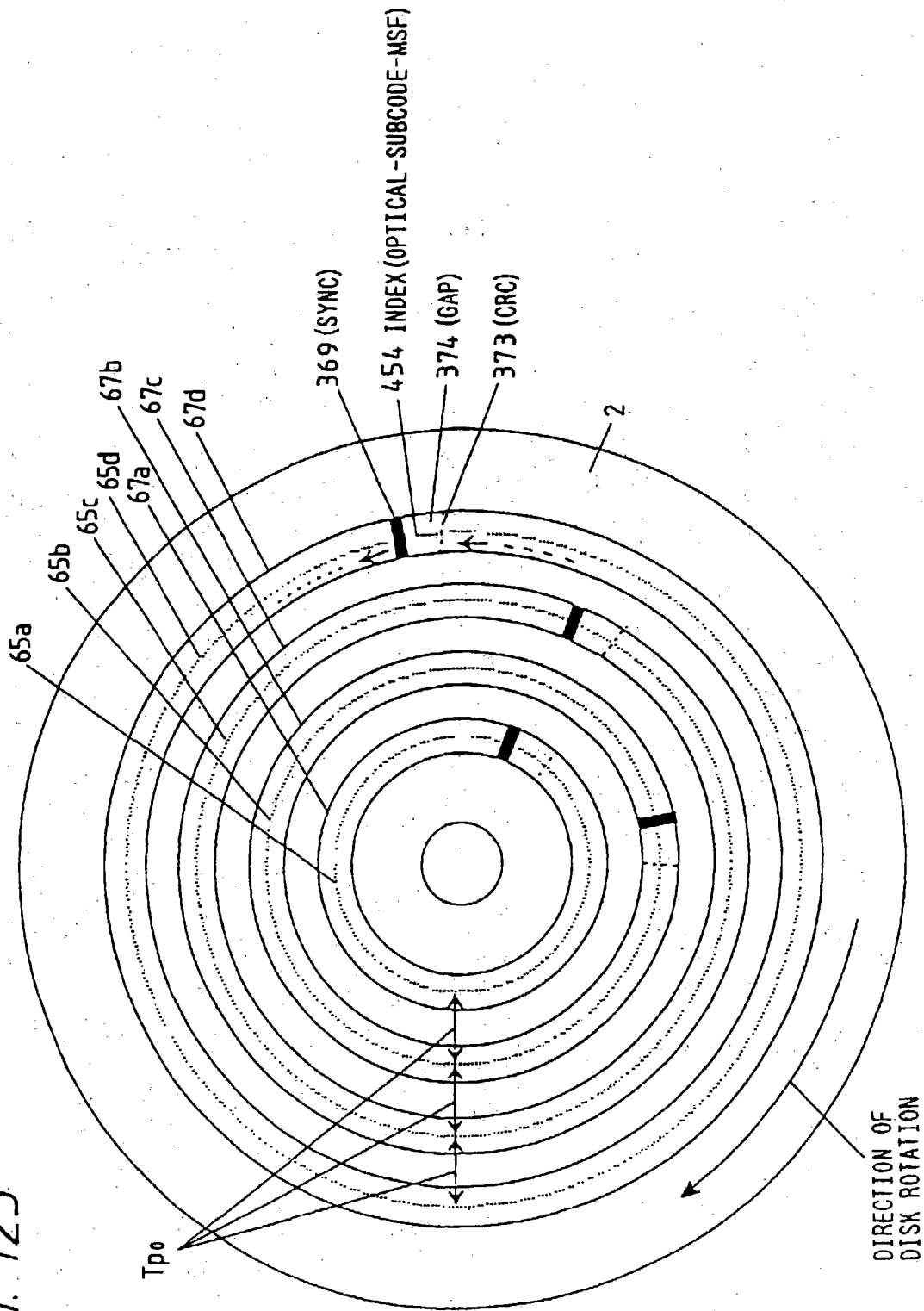


FIG. 123



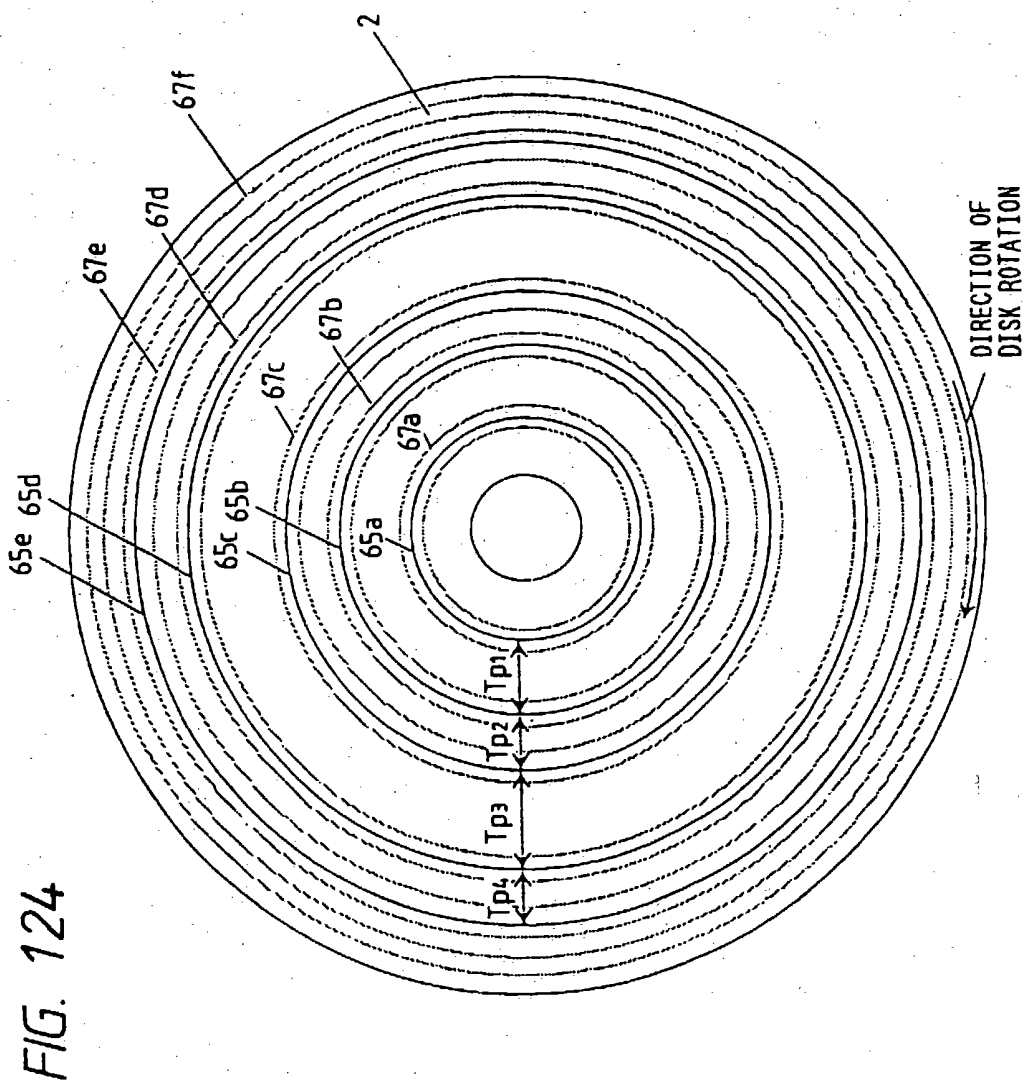


FIG. 125

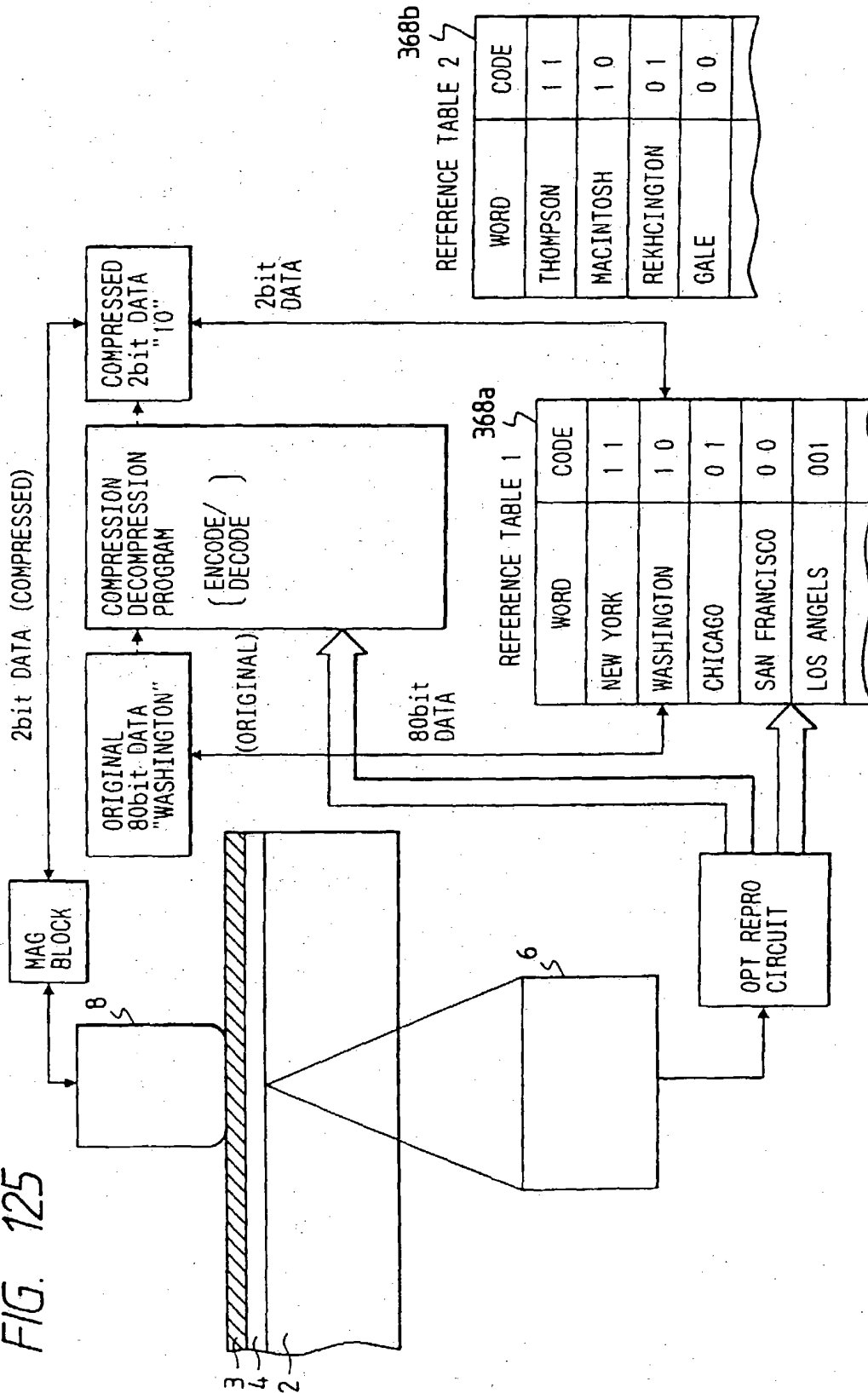


FIG. 126

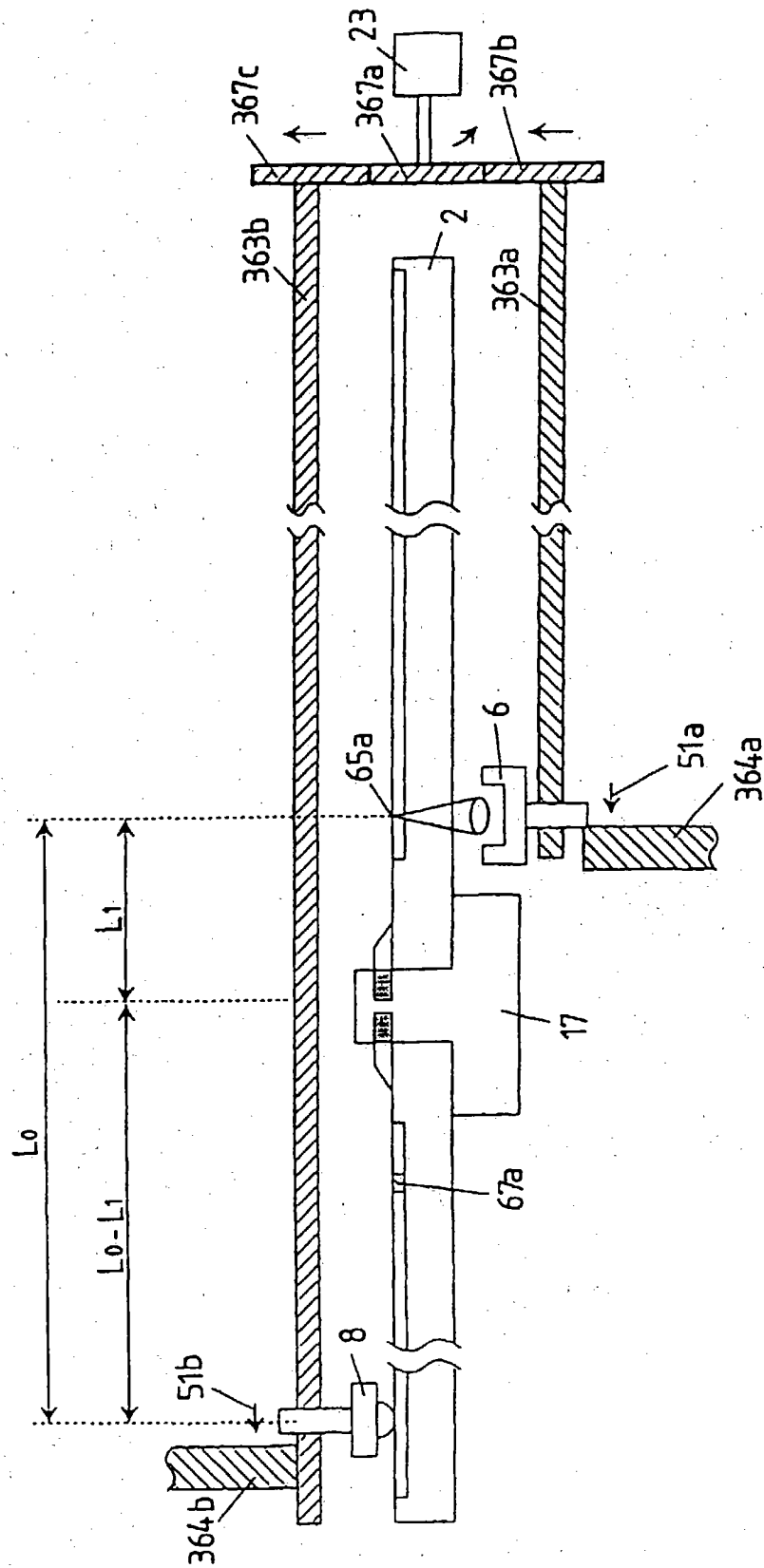


FIG. 127

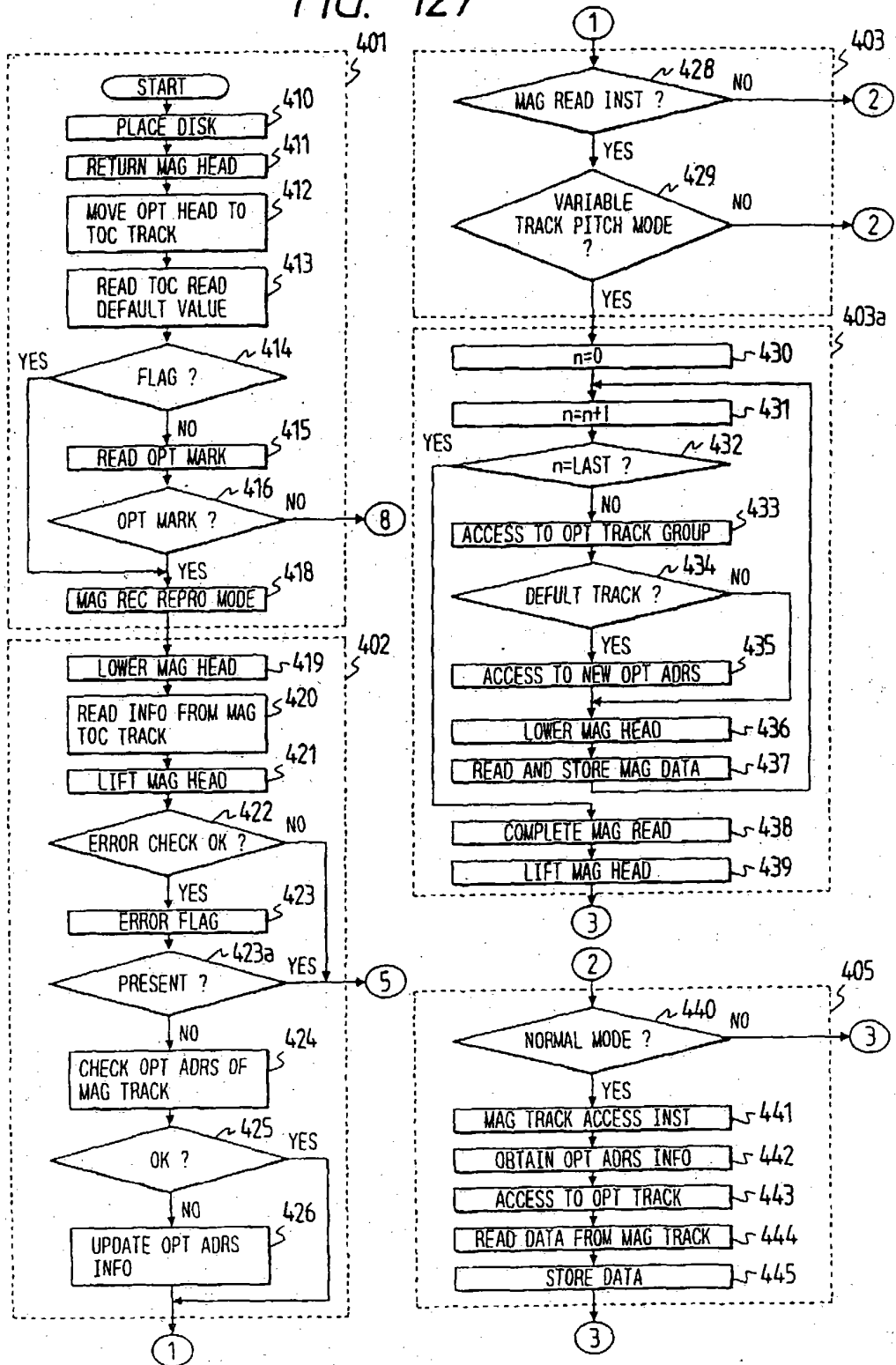


FIG. 128

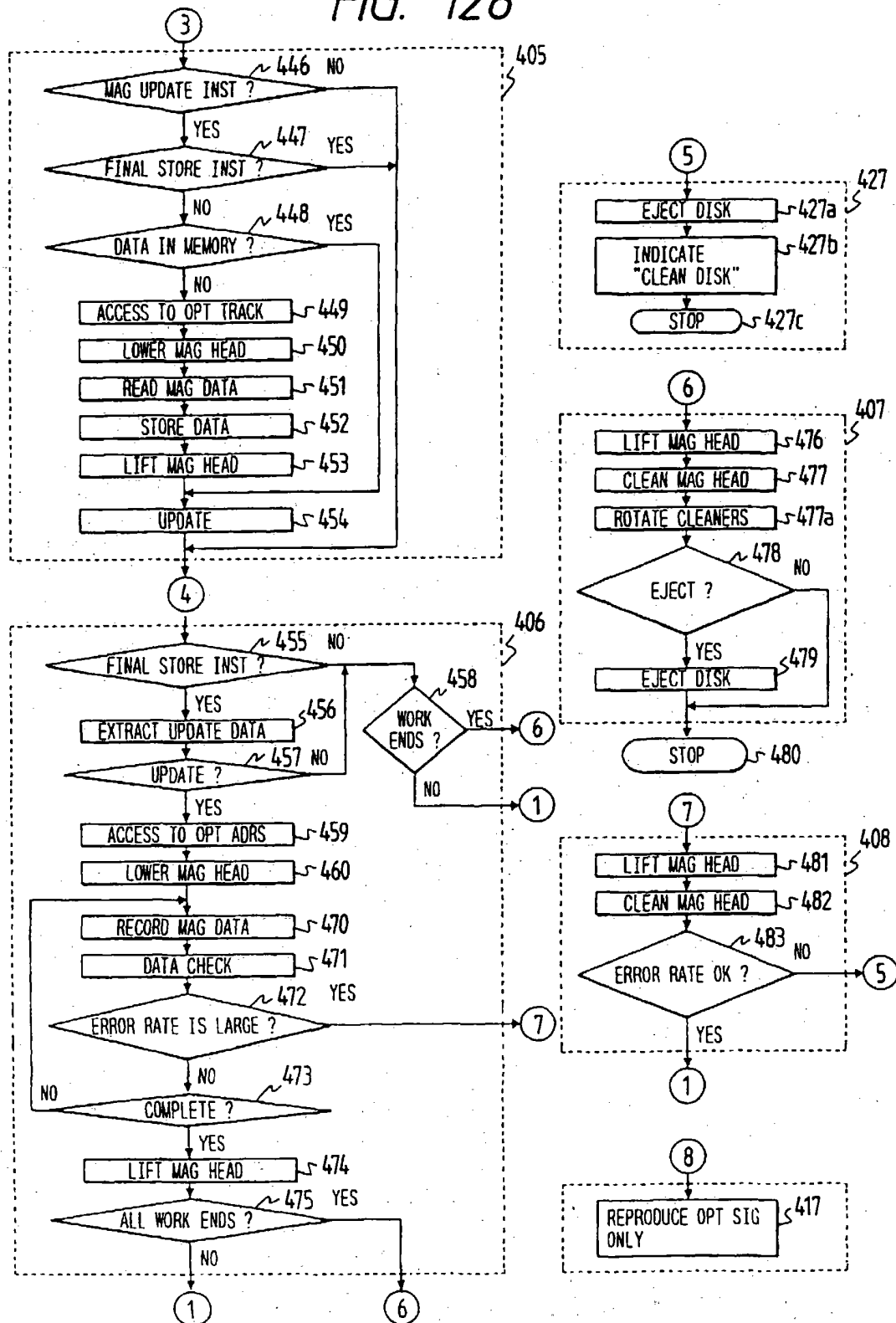




FIG. 129(a)

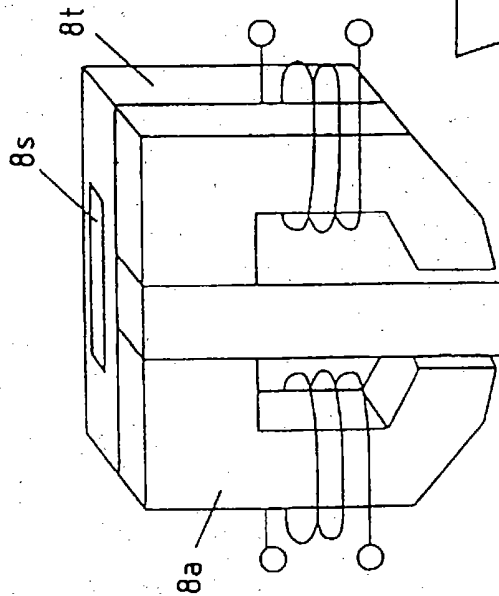


FIG. 129(b)

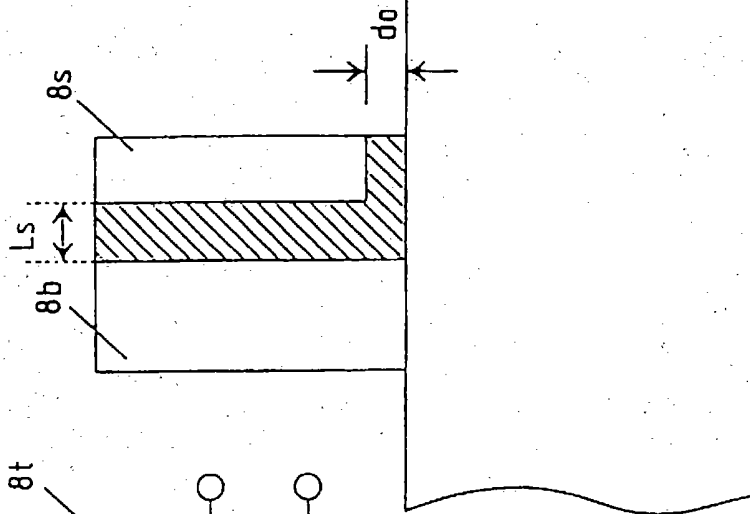


FIG. 129(c)

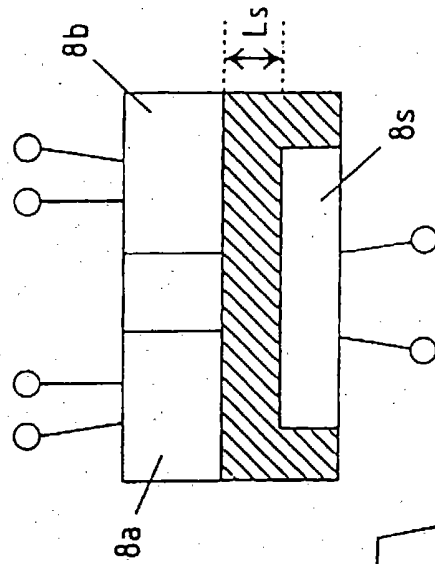


FIG. 130

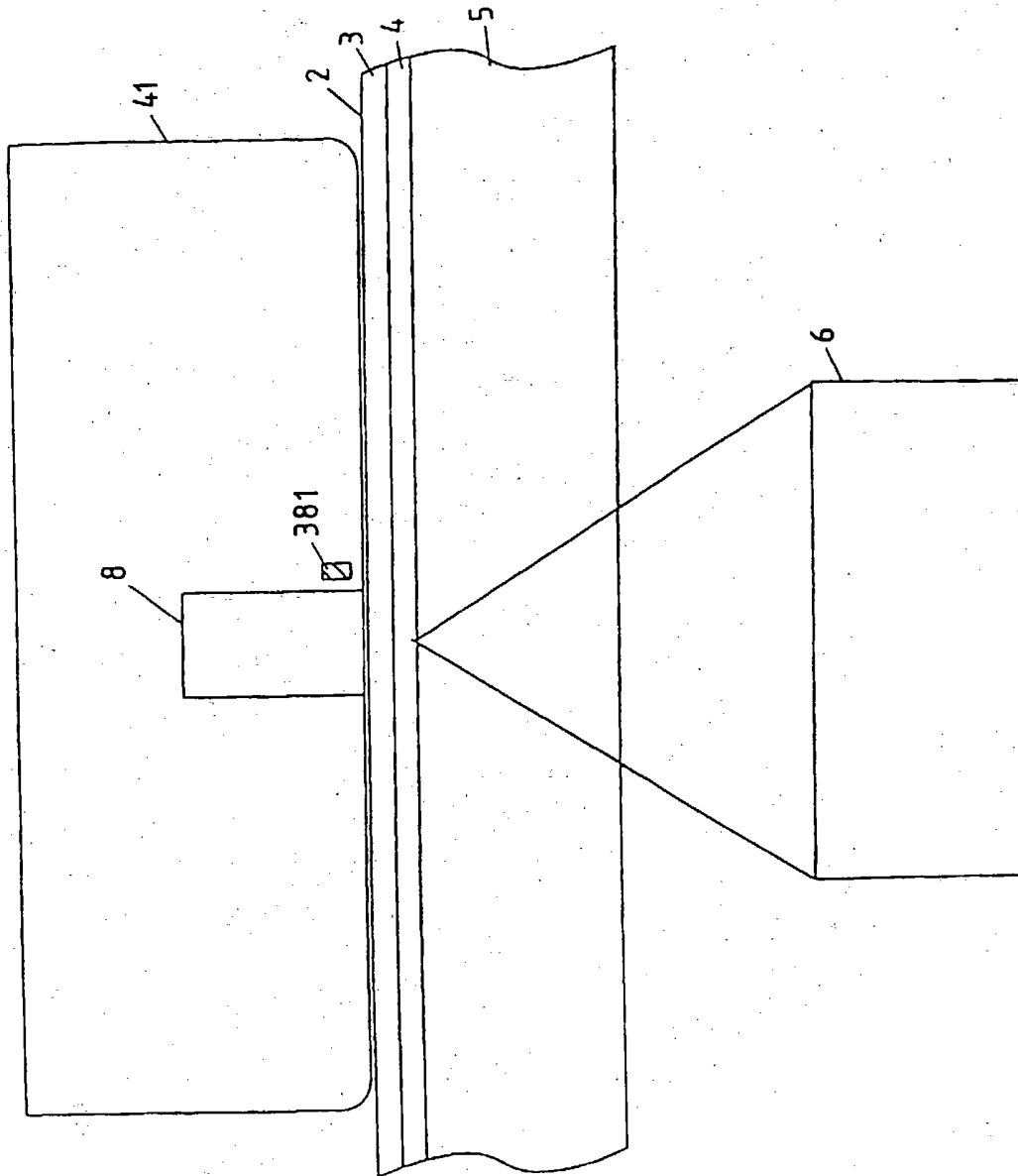
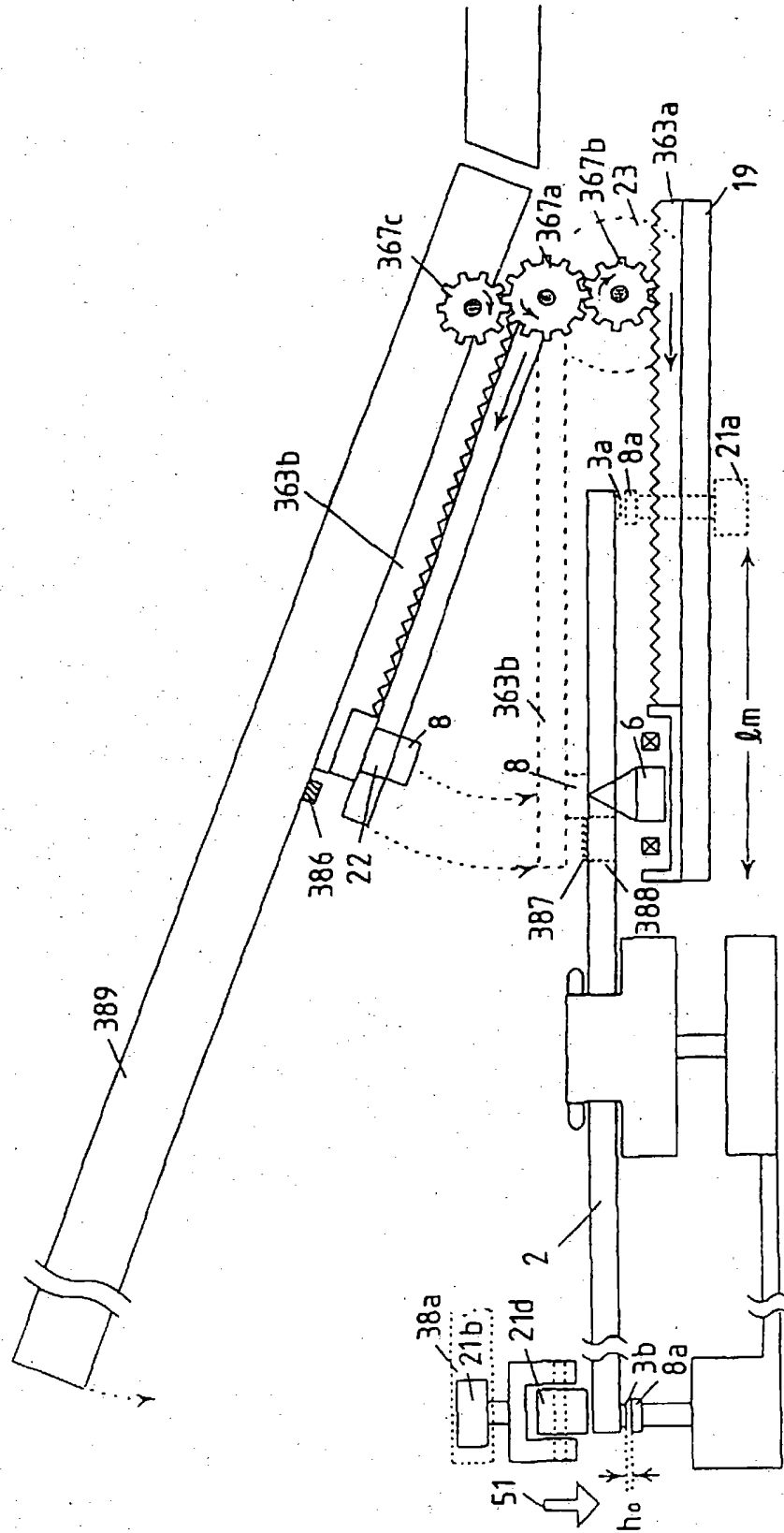


FIG. 131



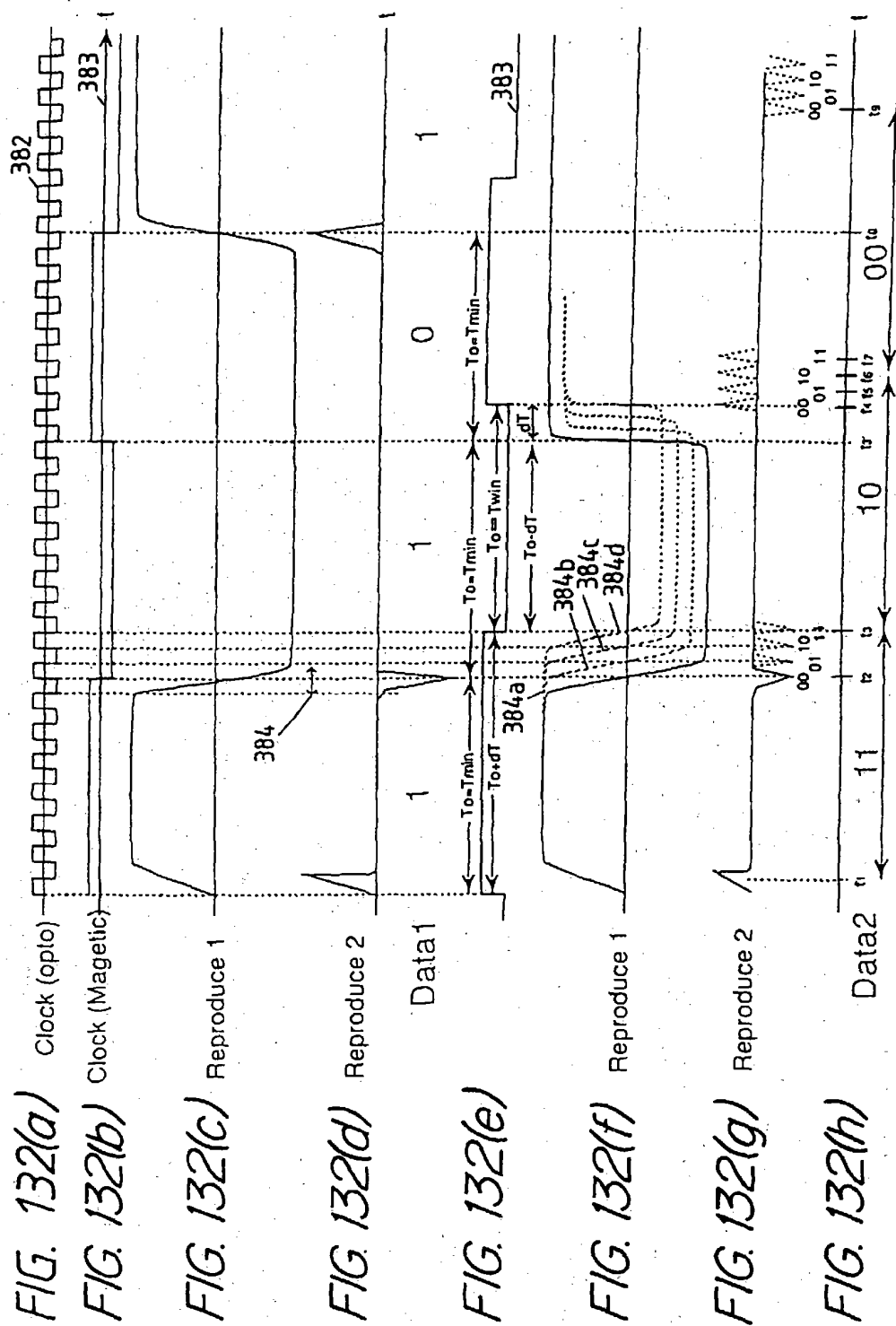


FIG. 133

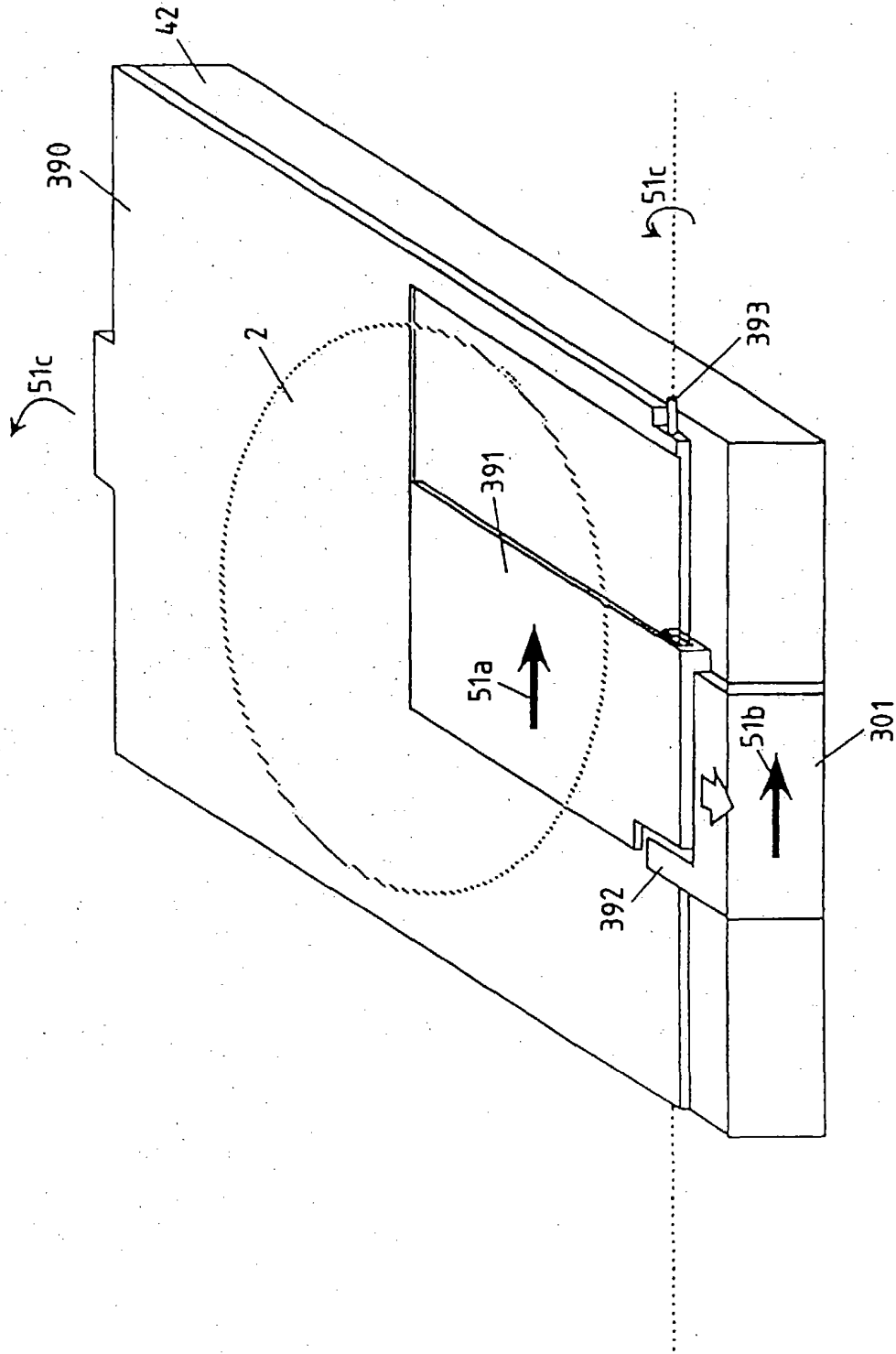
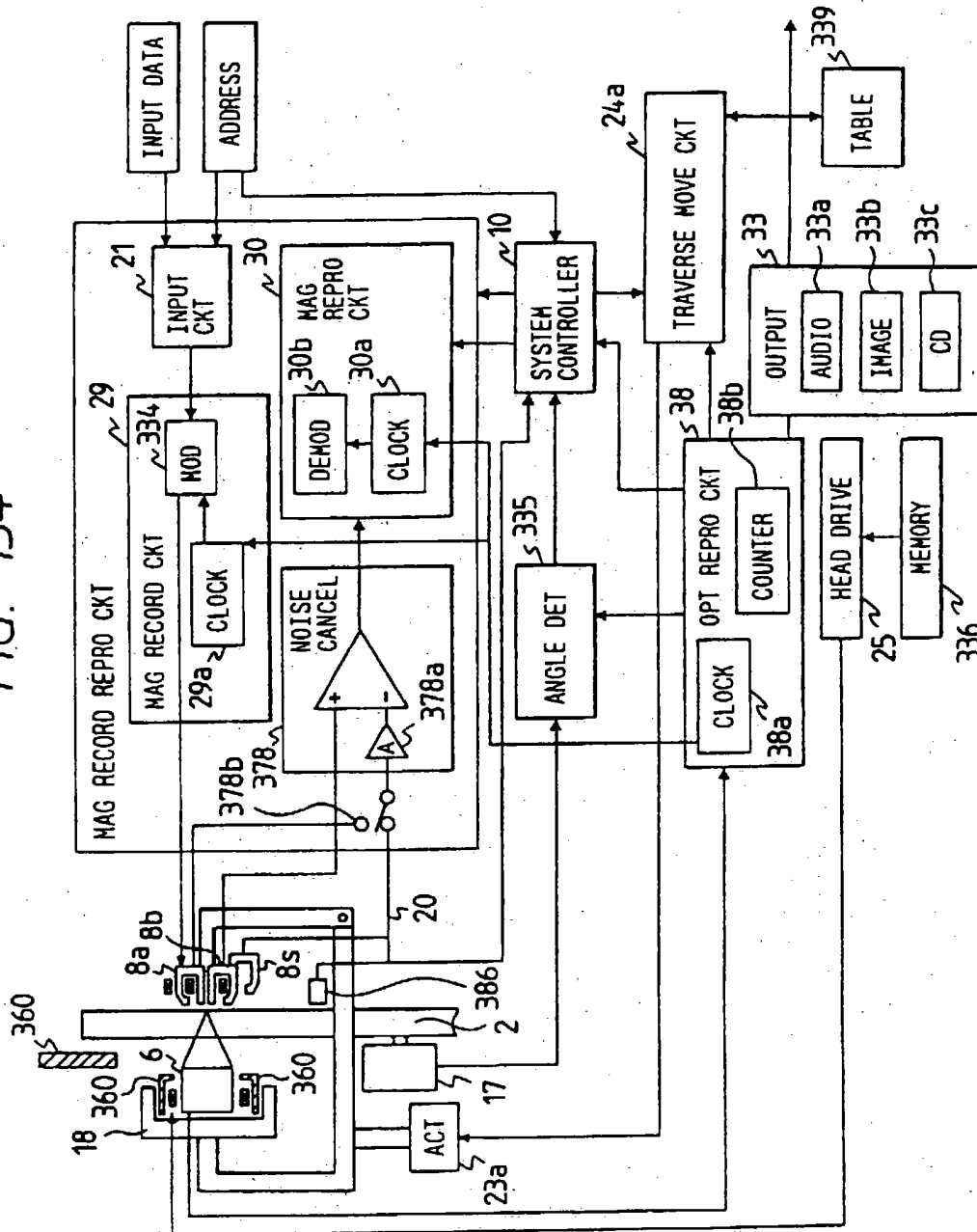


FIG. 134



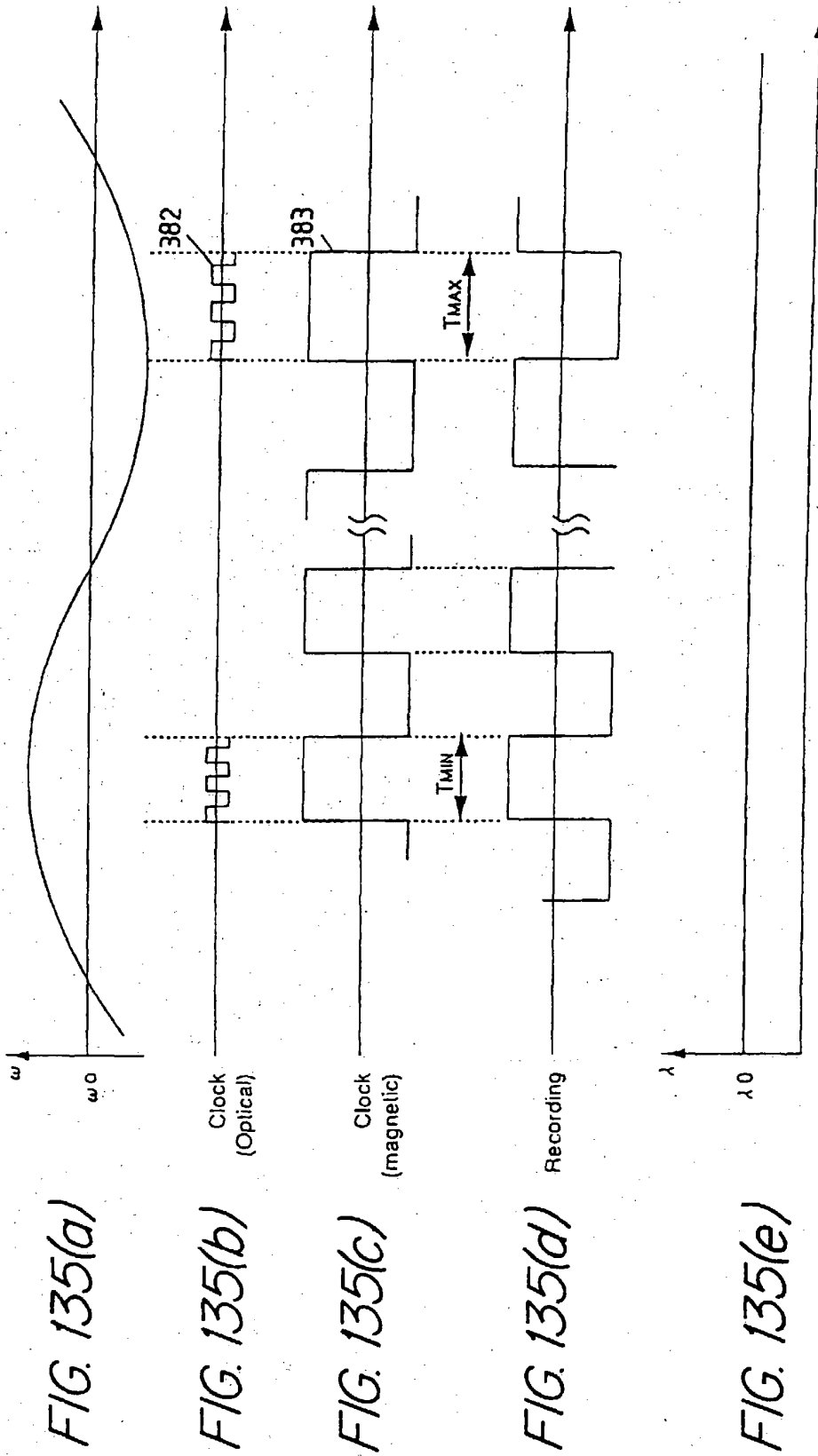


FIG. 136

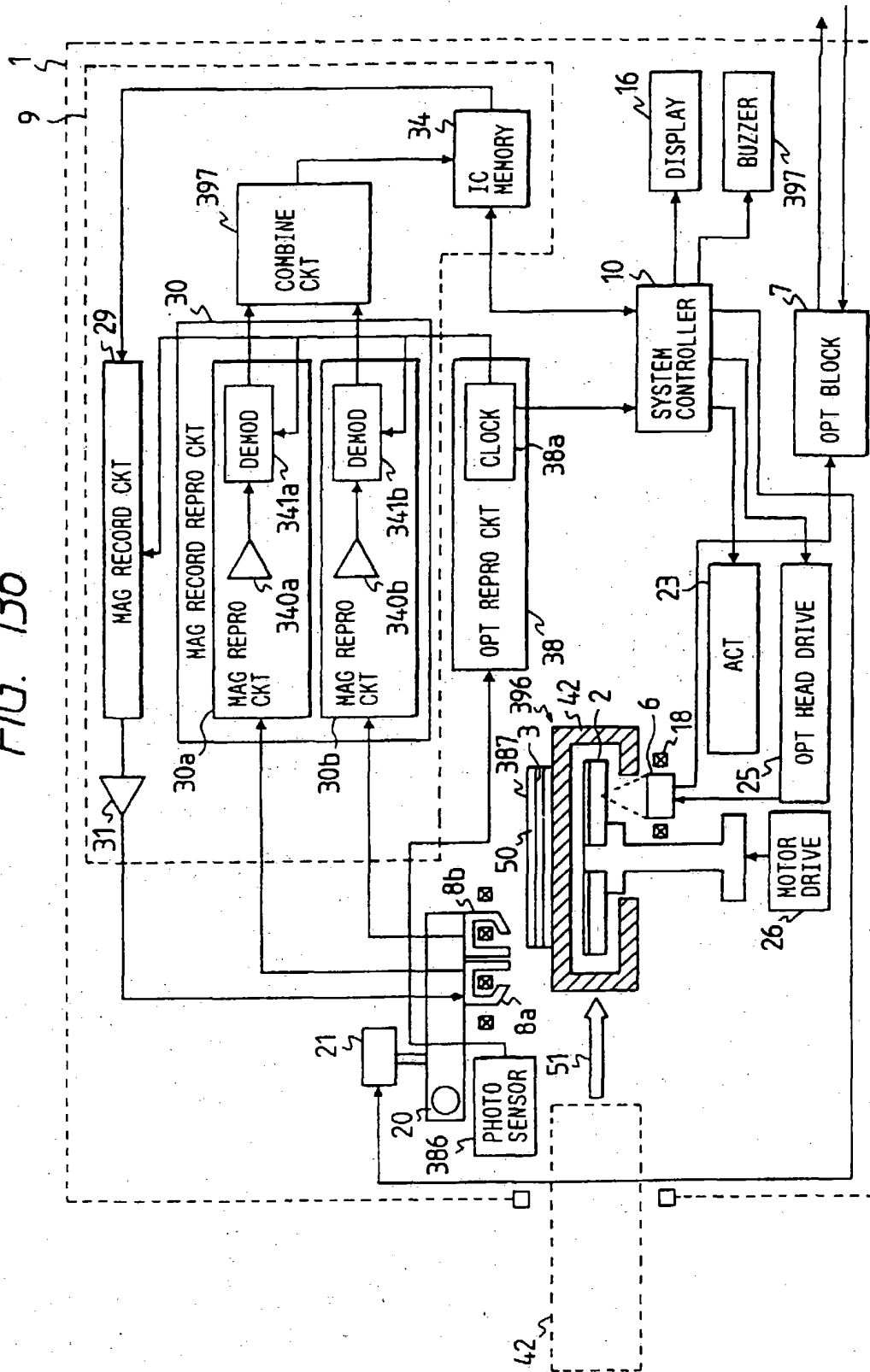




FIG. 137(a)

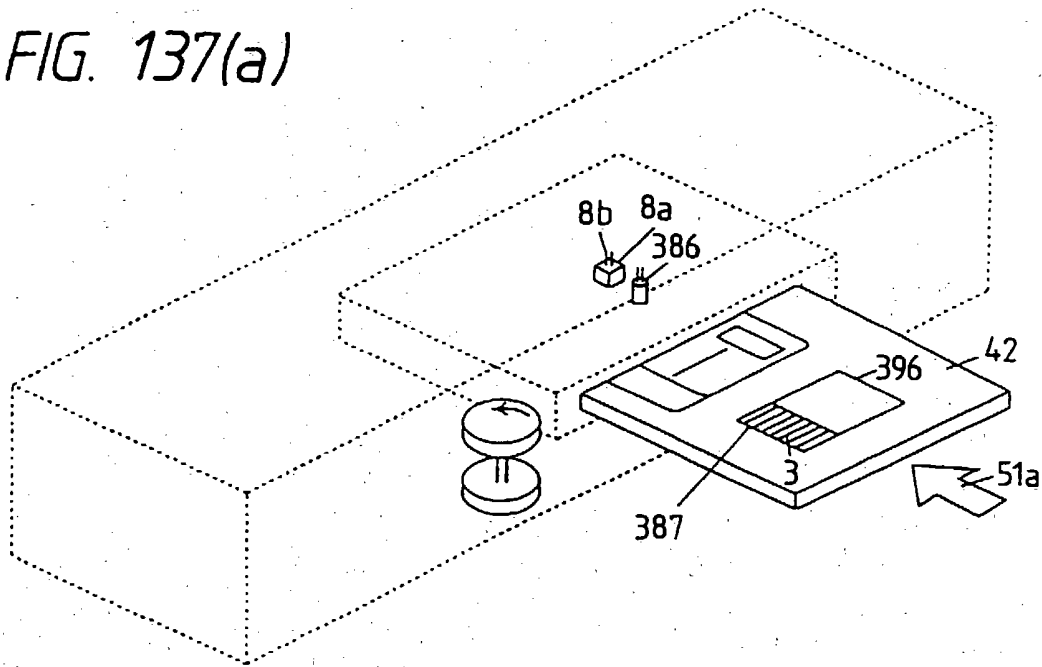


FIG. 137(b)

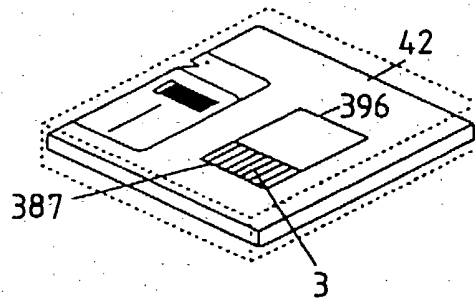


FIG. 137(c)

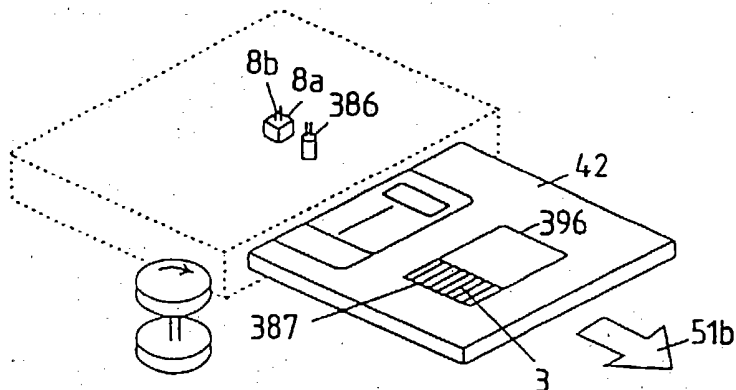


FIG. 138(a)

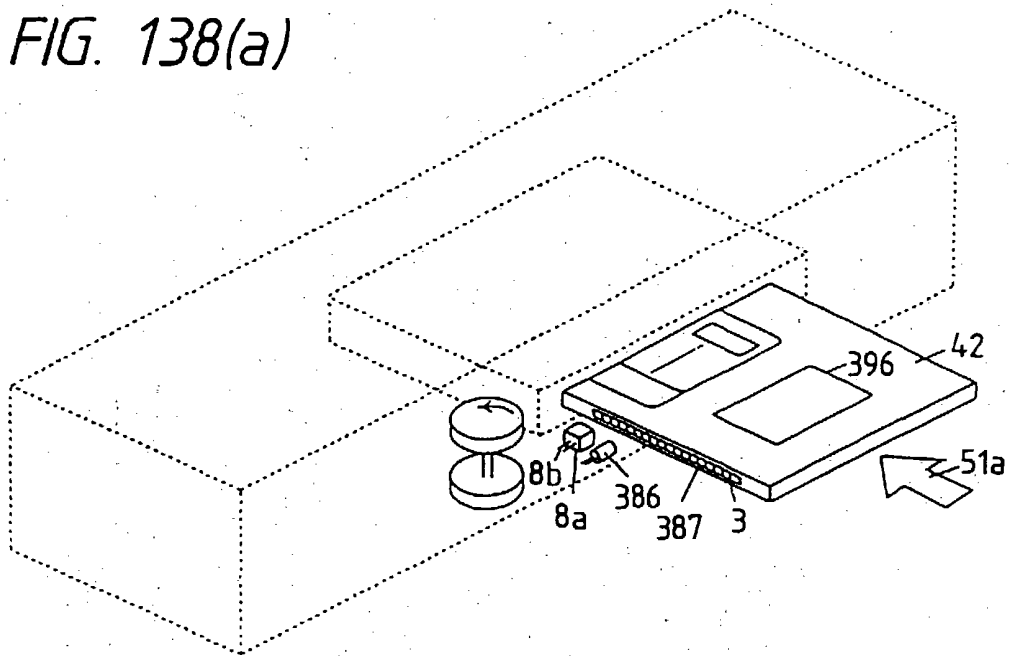


FIG. 138(b)

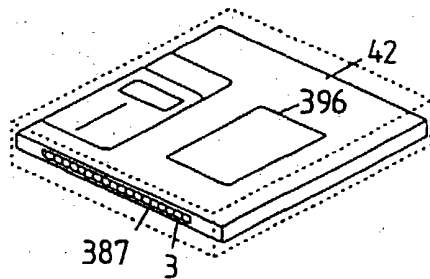
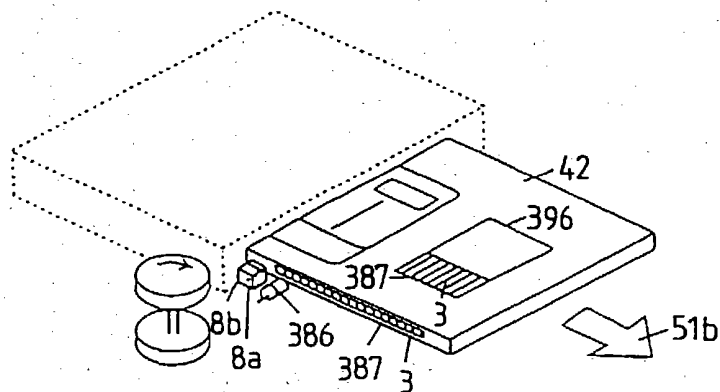


FIG. 138(c)



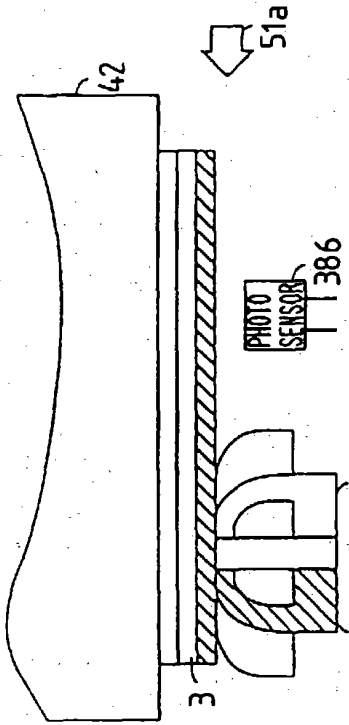


FIG. 139(a)

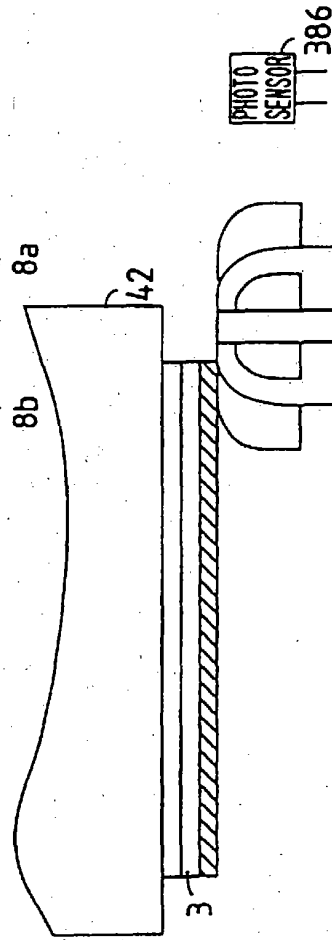


FIG. 139(b)

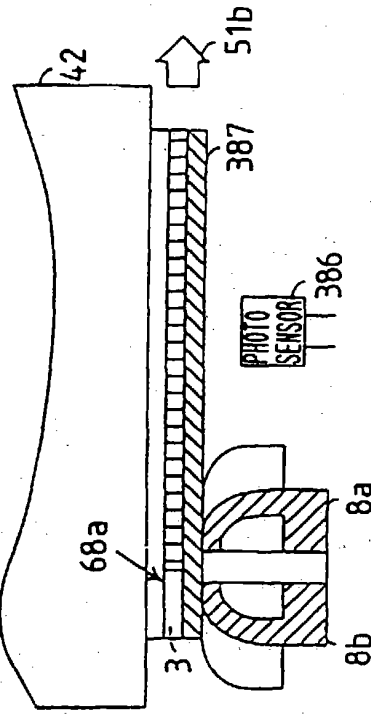


FIG. 139(c)

FIG. 140

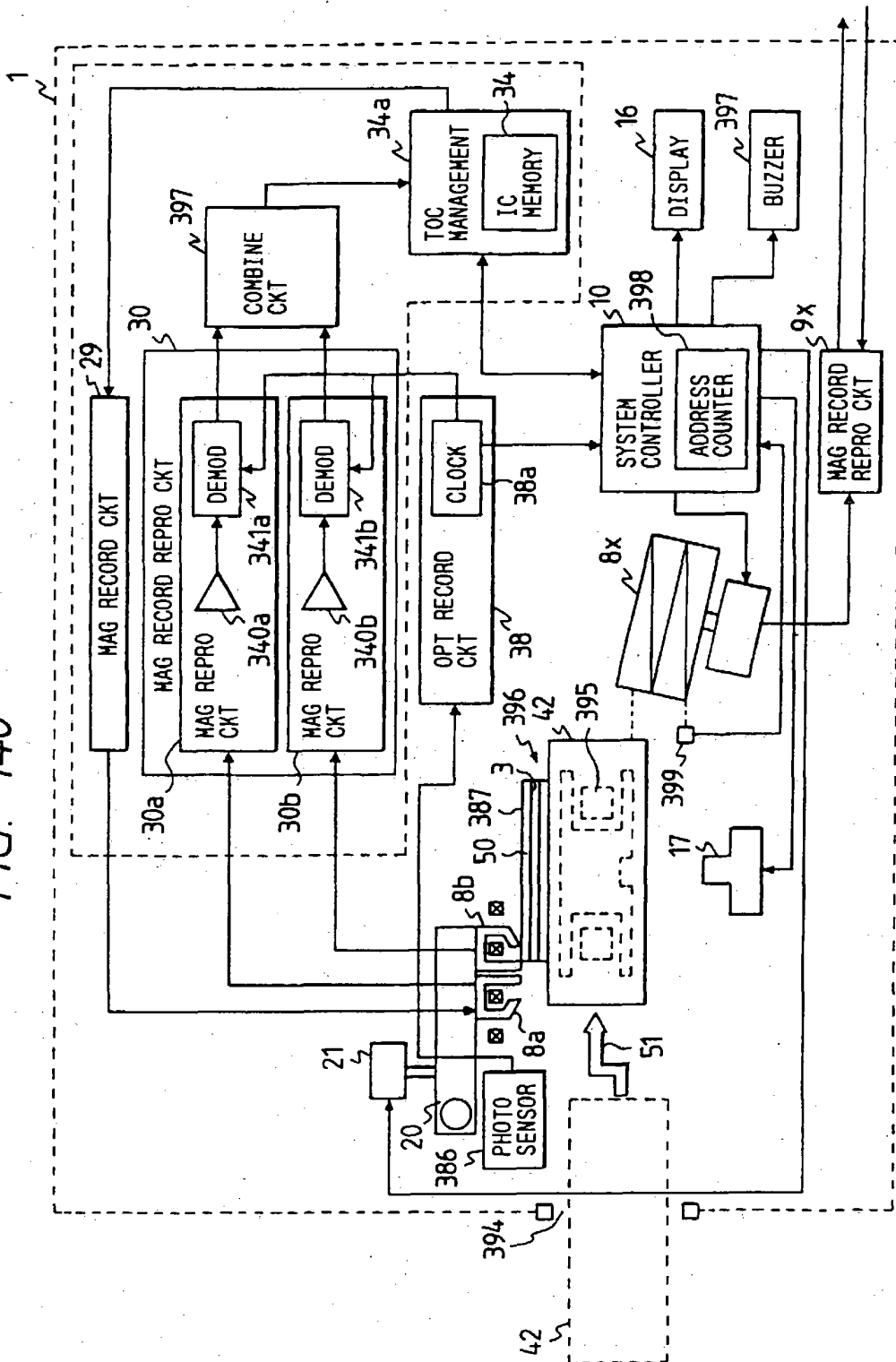


FIG. 141(a)

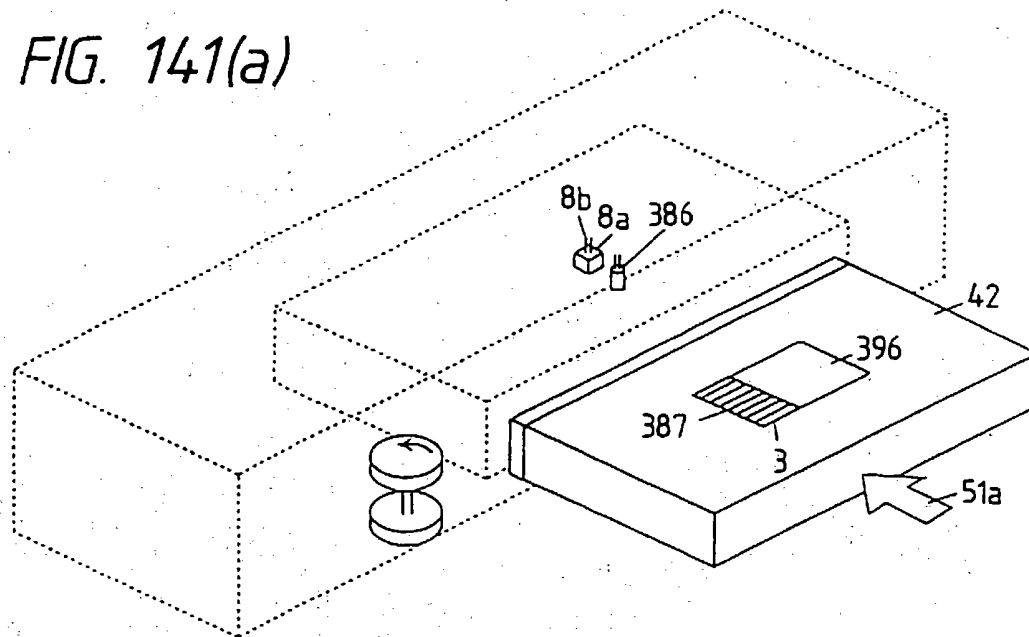


FIG. 141(b)

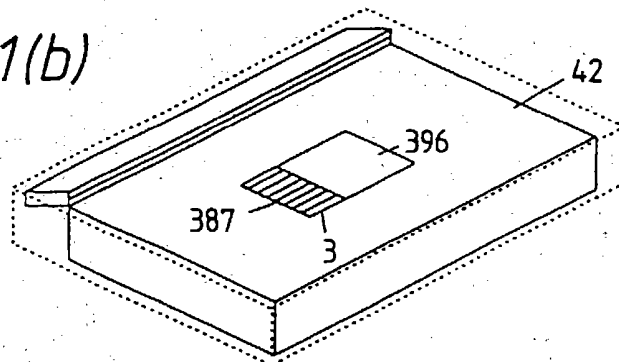


FIG. 141(c)

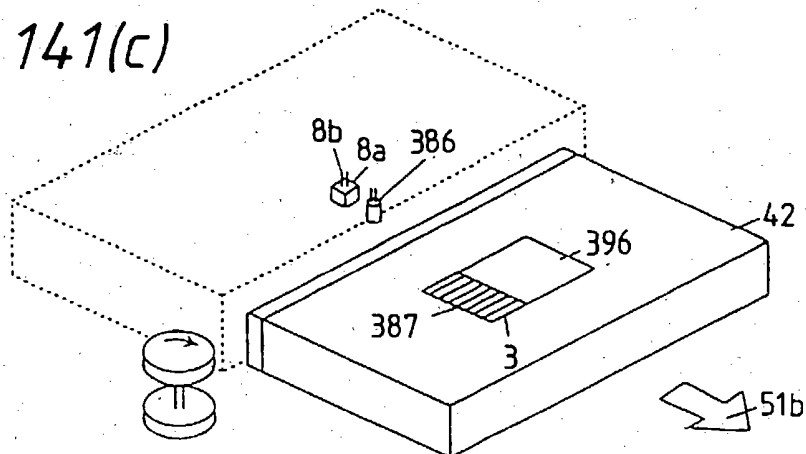


FIG. 142(a)

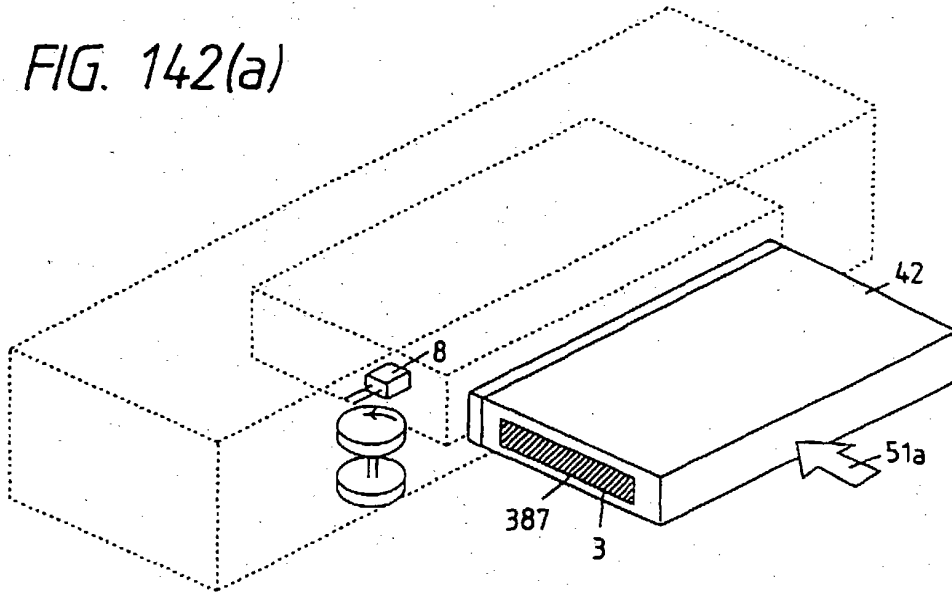


FIG. 142(b)

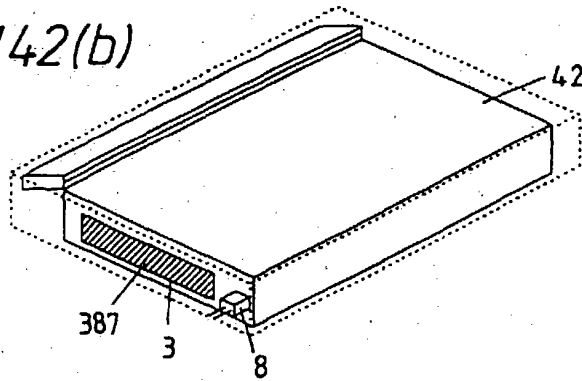
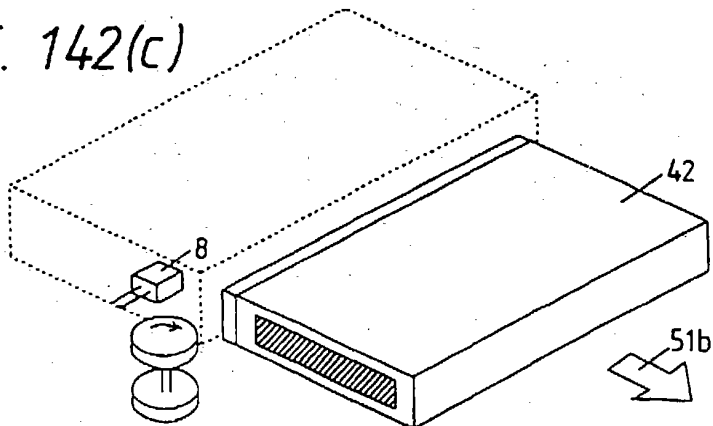


FIG. 142(c)



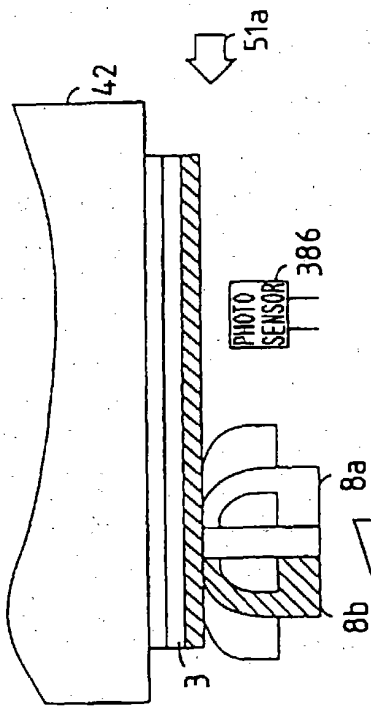


FIG. 143(a)

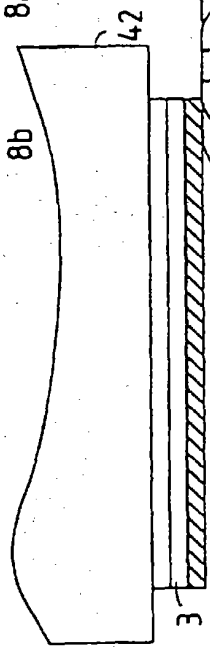


FIG. 143(b)

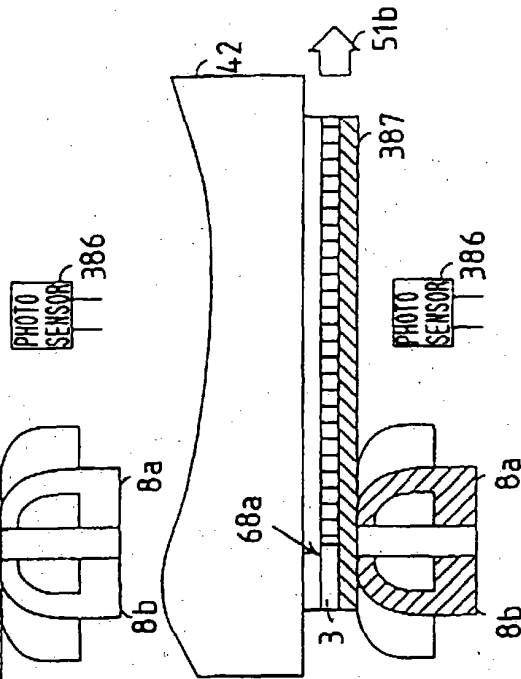


FIG. 143(c)

FIG. 144(a)

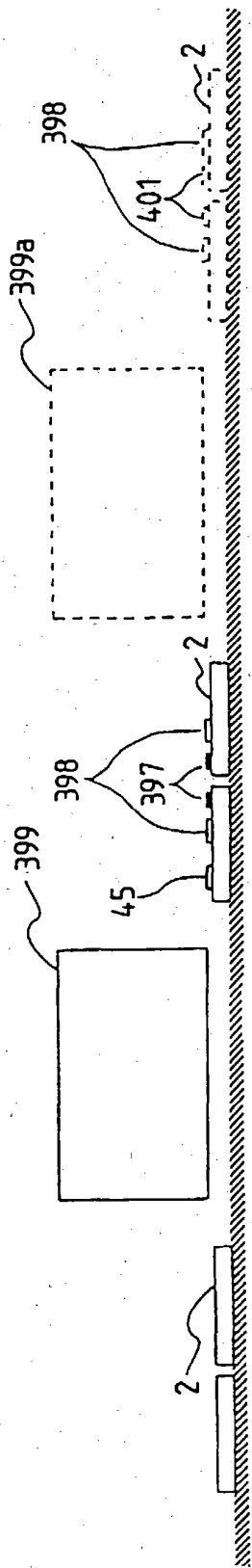


FIG. 144(b)

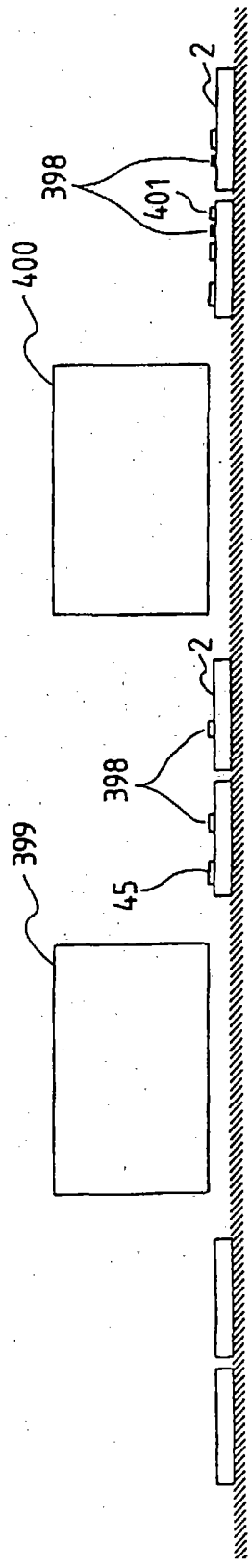




FIG. 145(a)

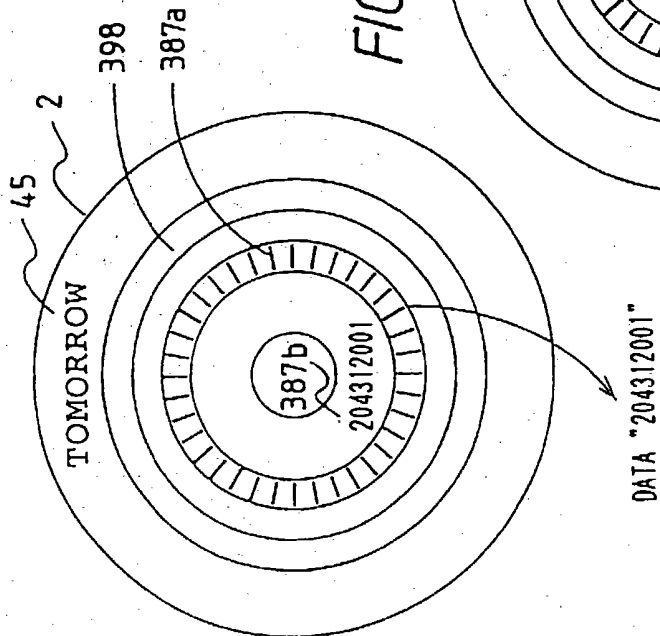


FIG. 145(b)

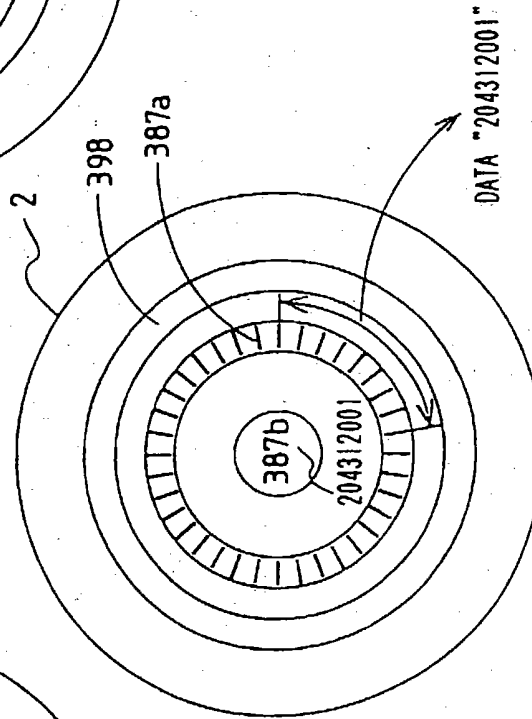


FIG. 145(c)

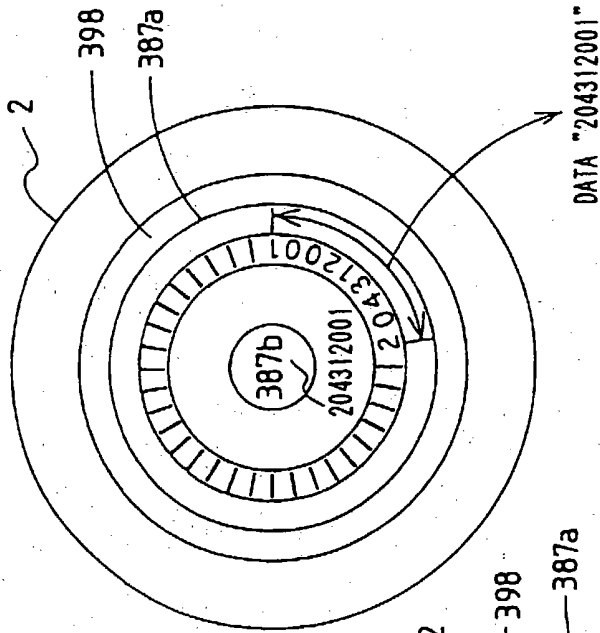


FIG. 146(a)

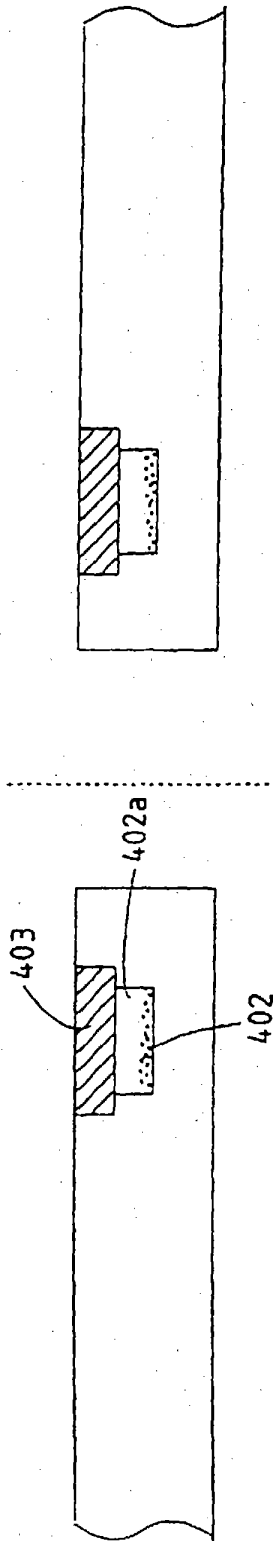


FIG. 146(b)

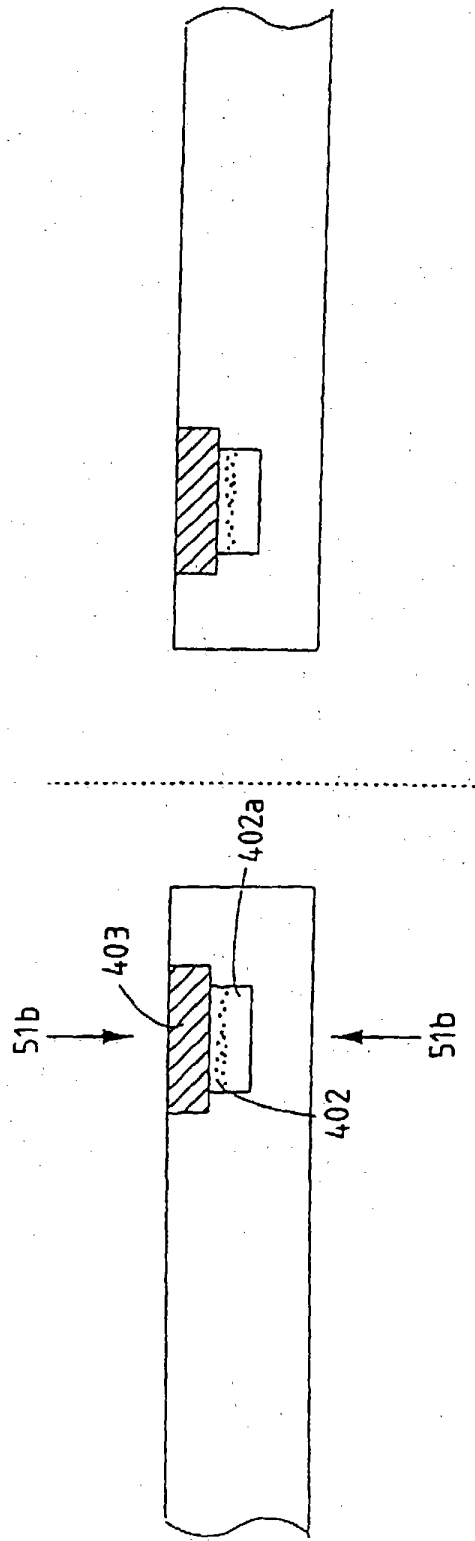


FIG. 147

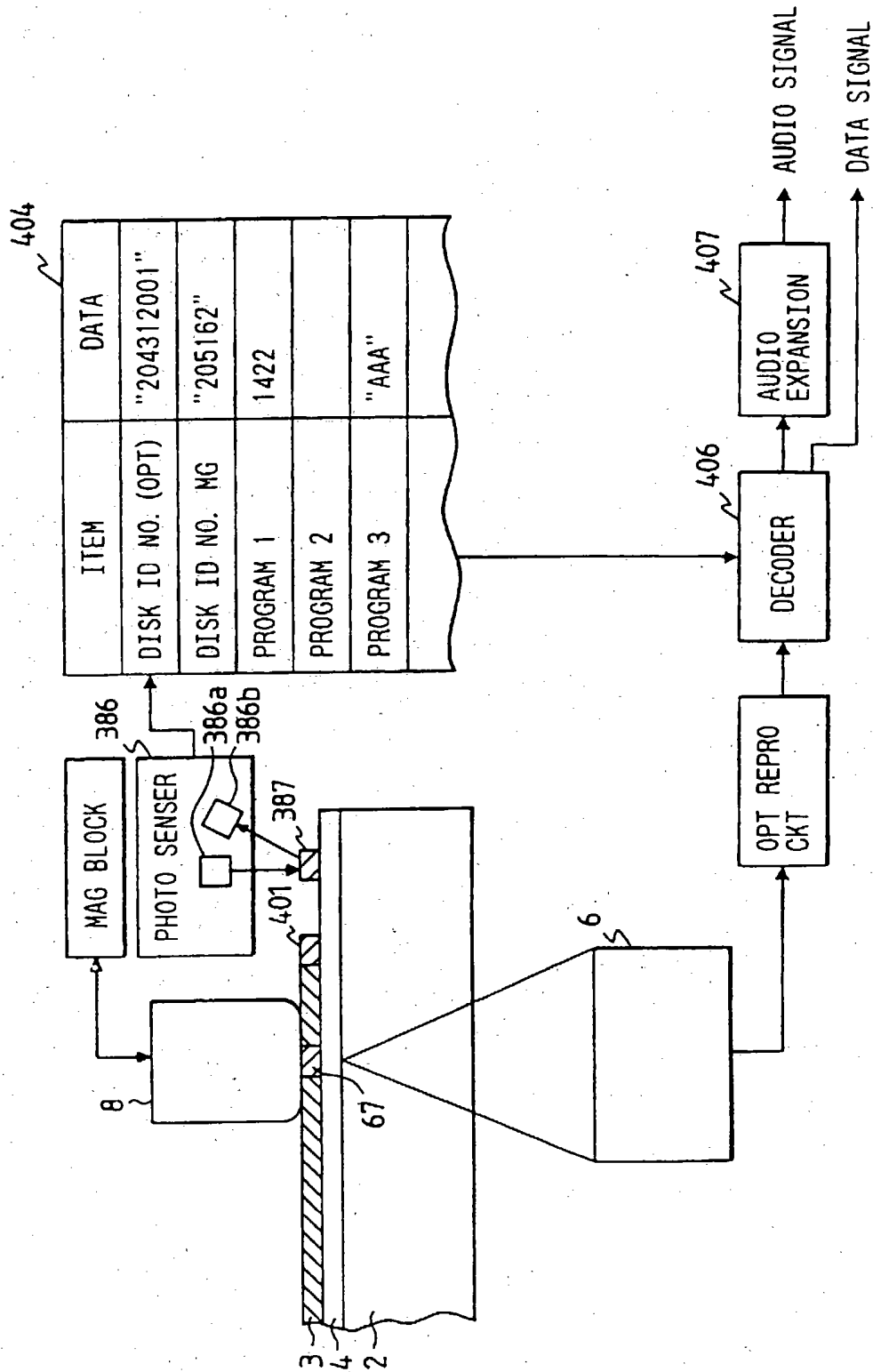


FIG. 148

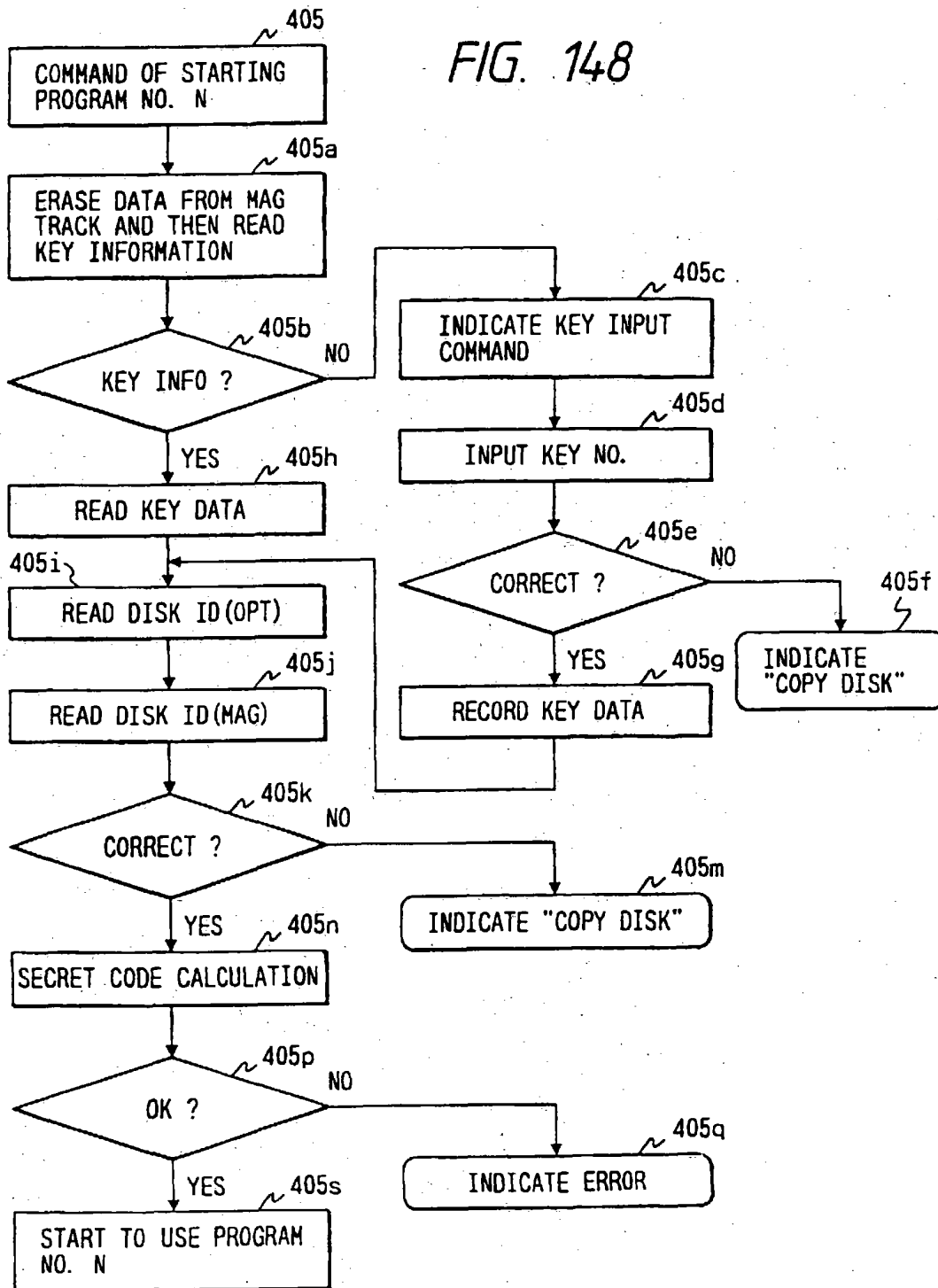


FIG. 149

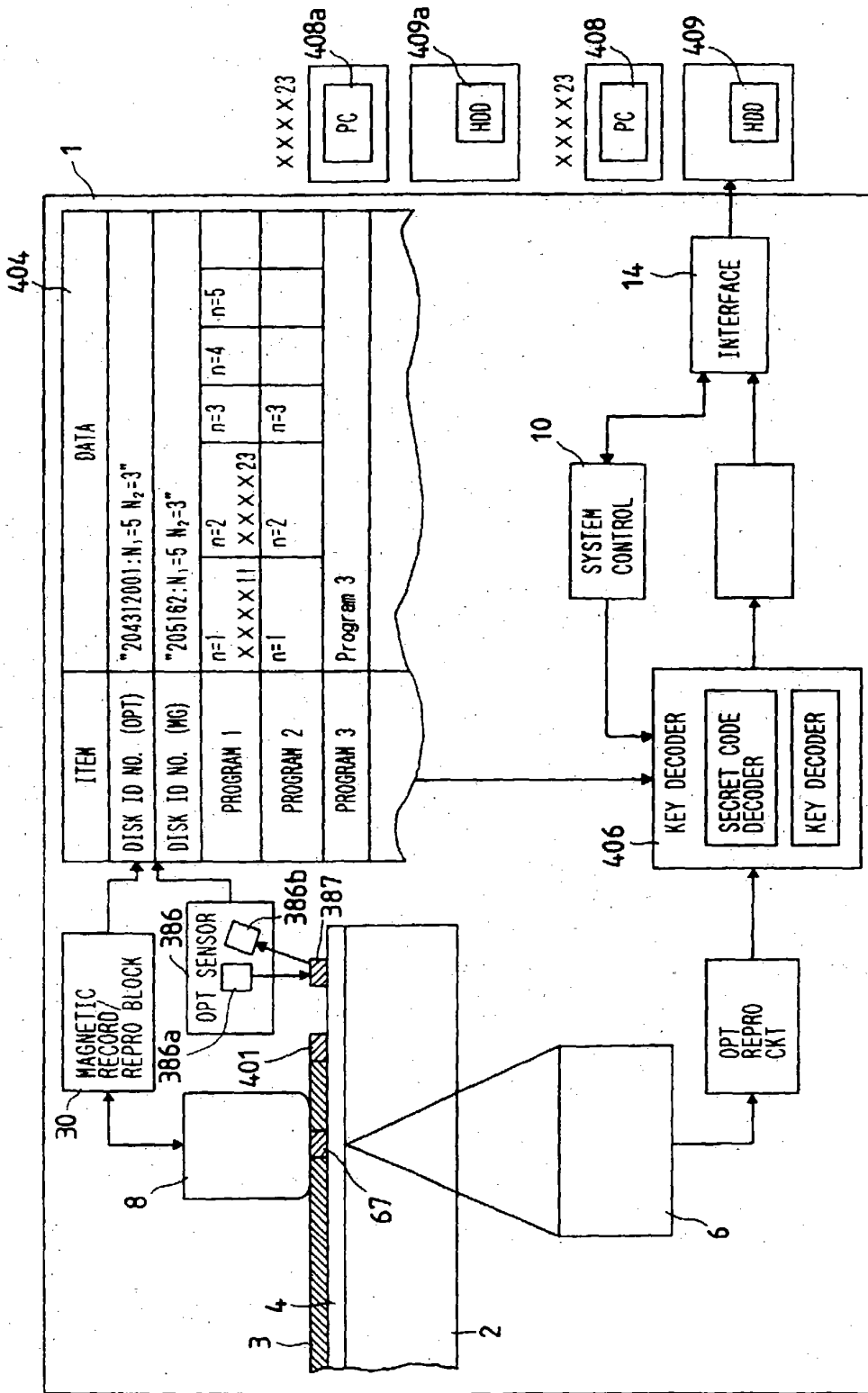


FIG. 150

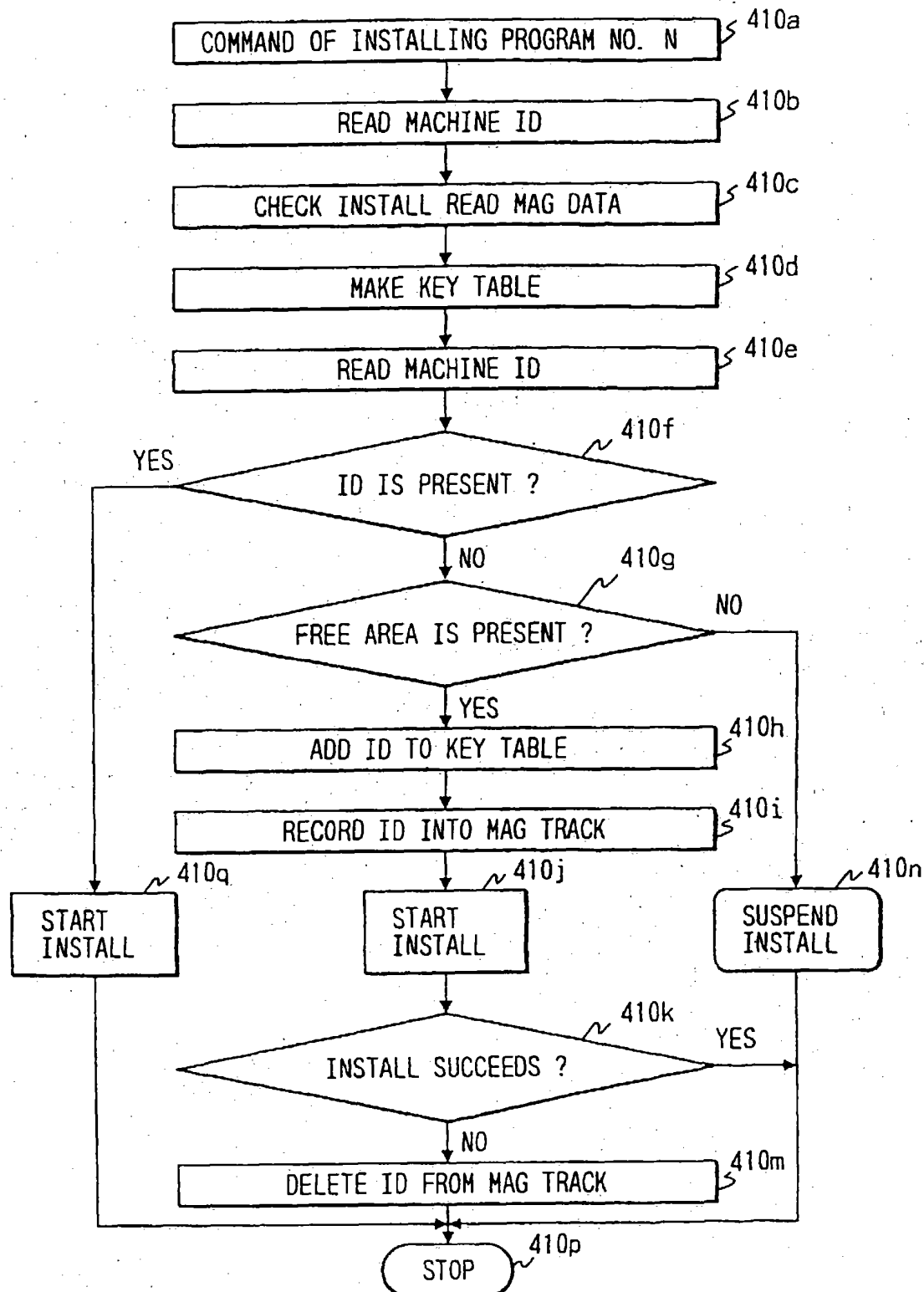


FIG. 151

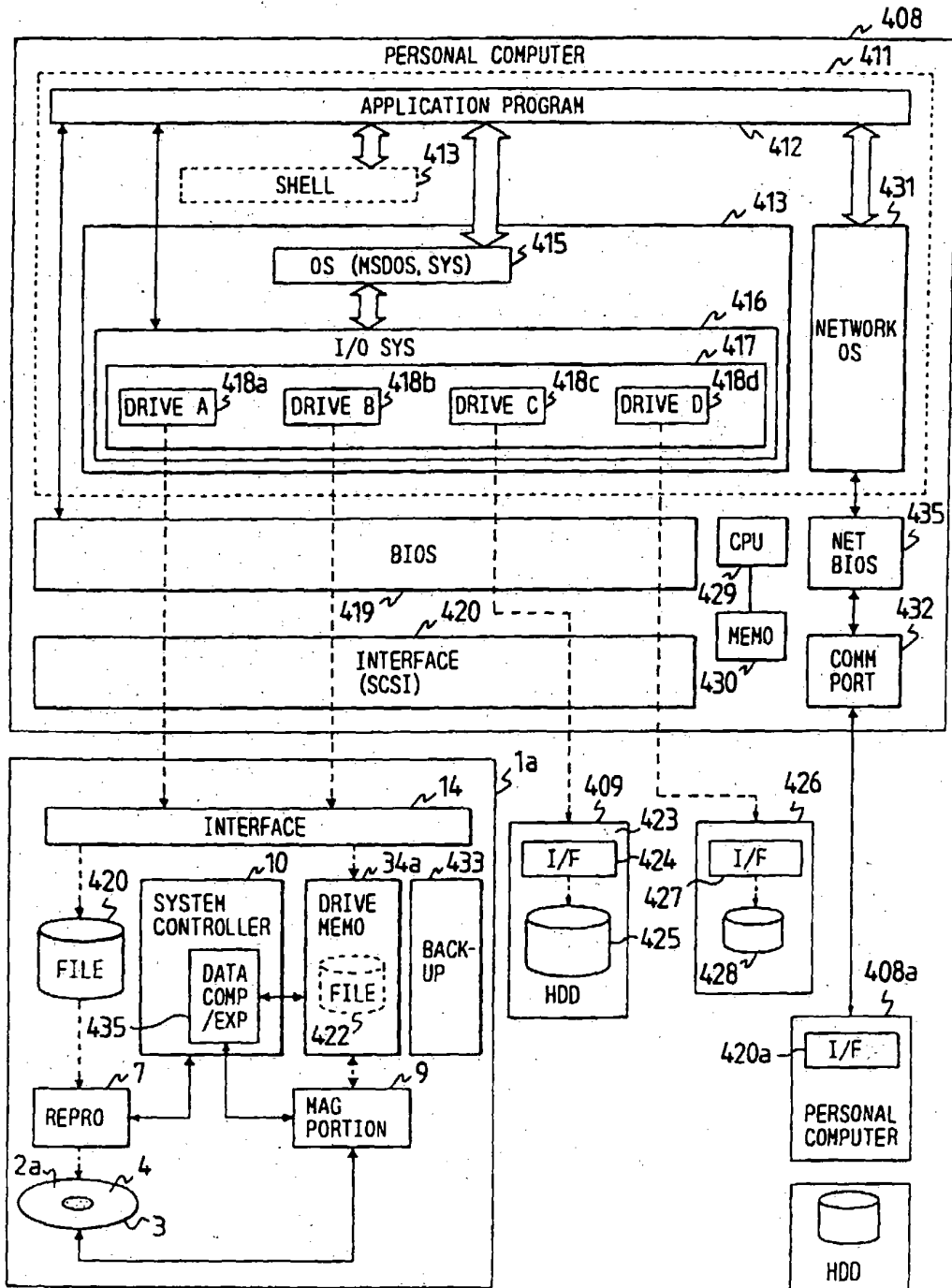


FIG. 152

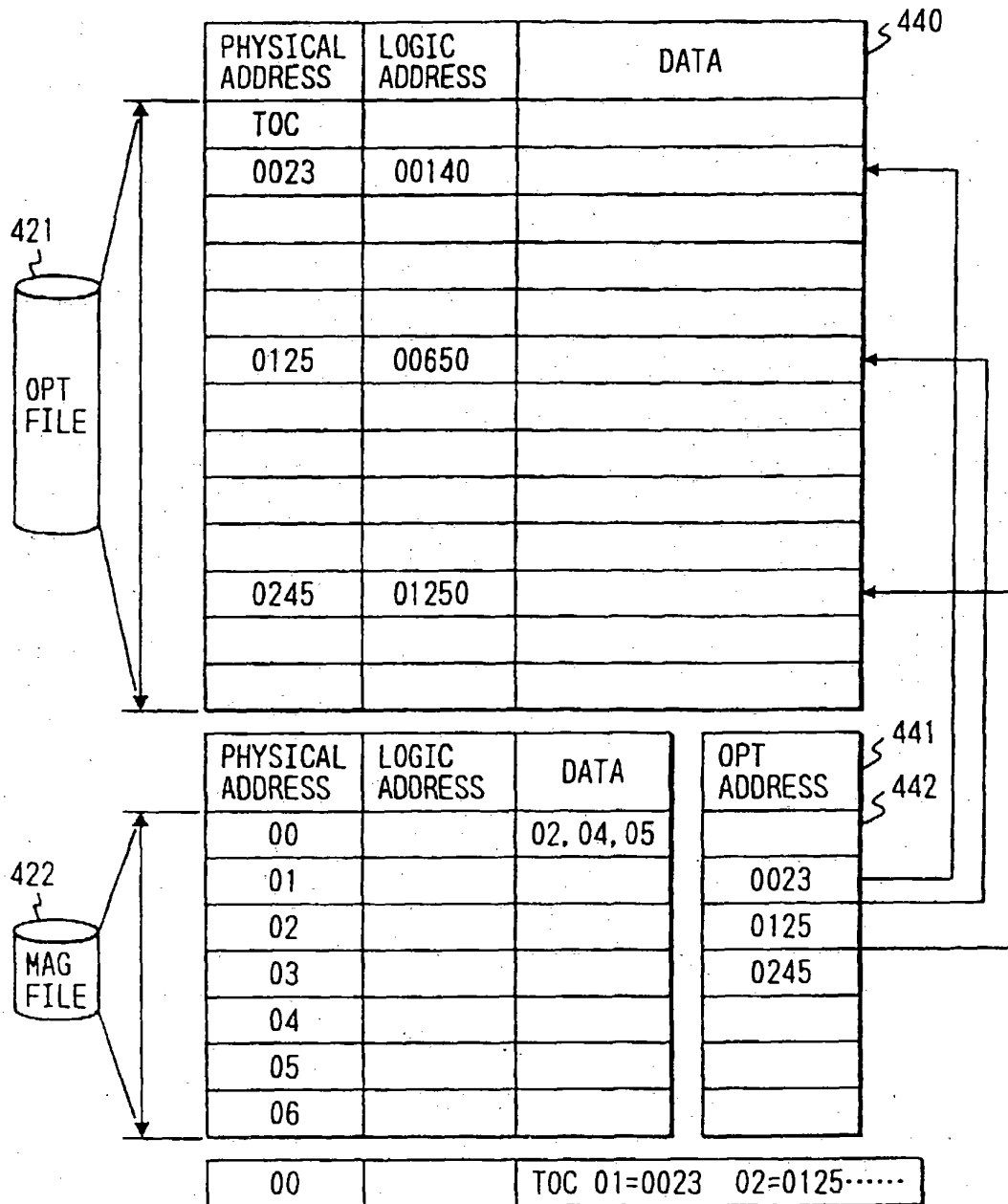




FIG. 153

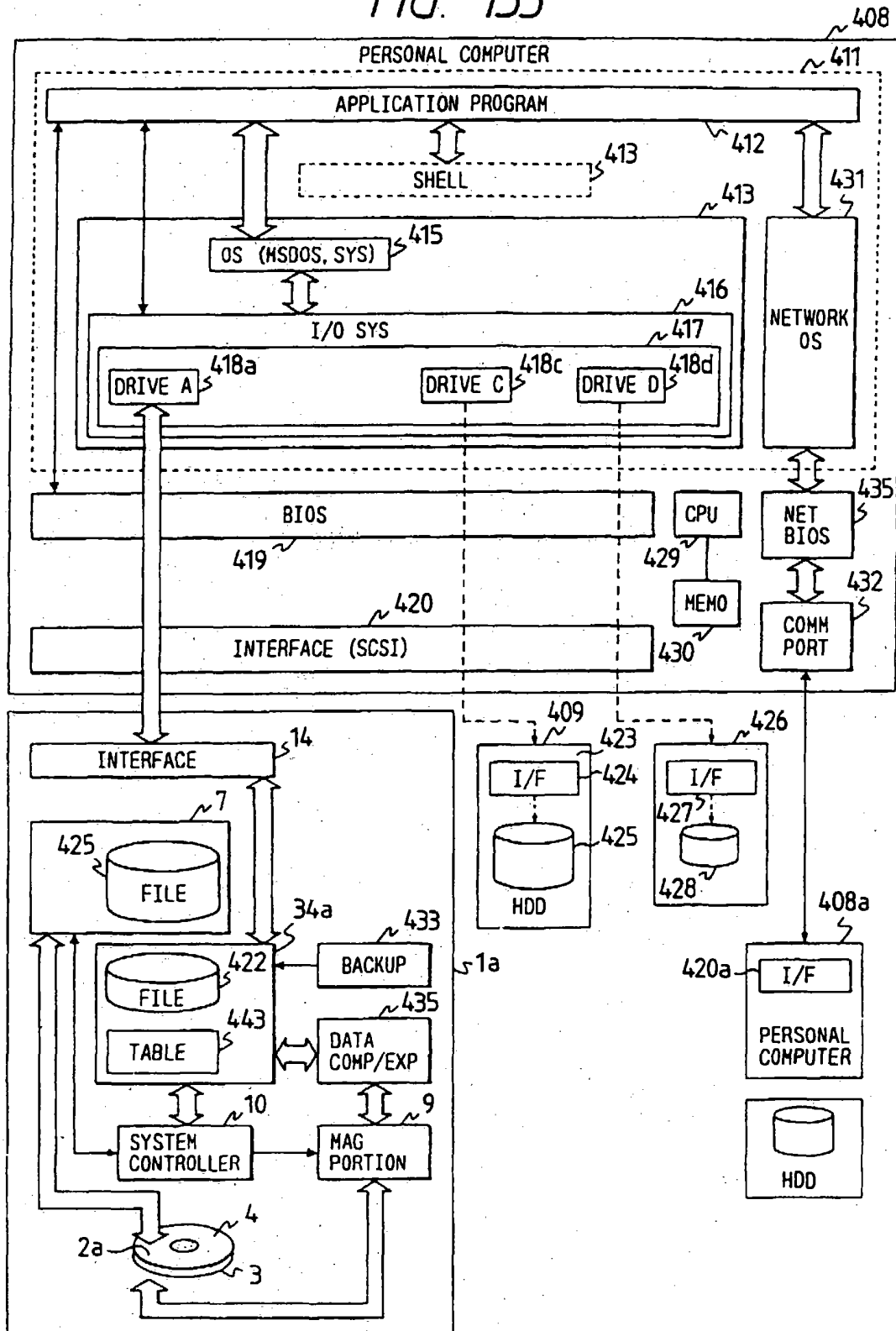


FIG. 154(a)

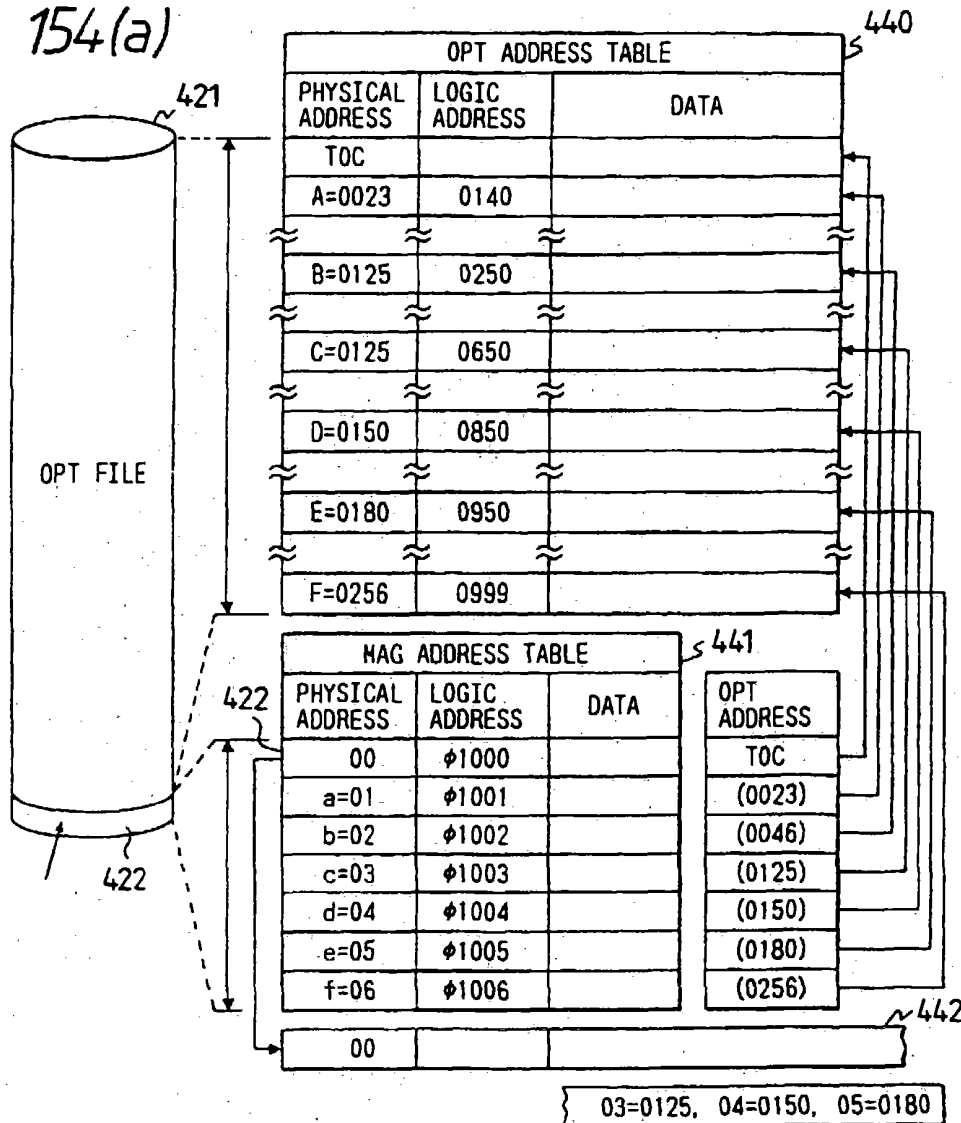


FIG. 154(b)

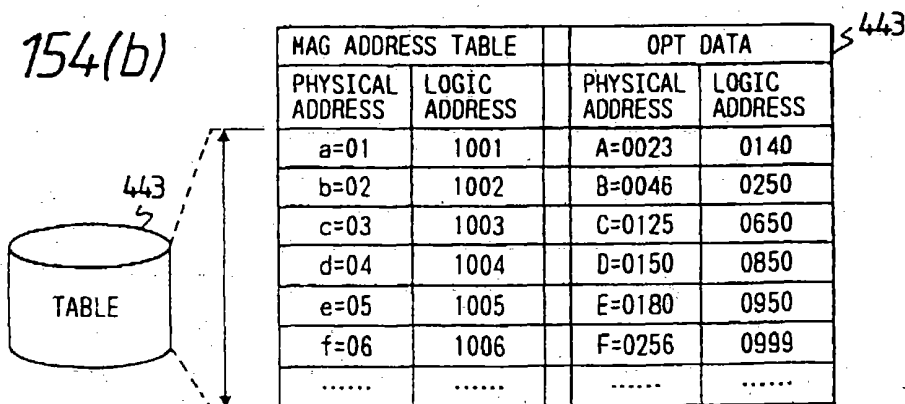


FIG. 155

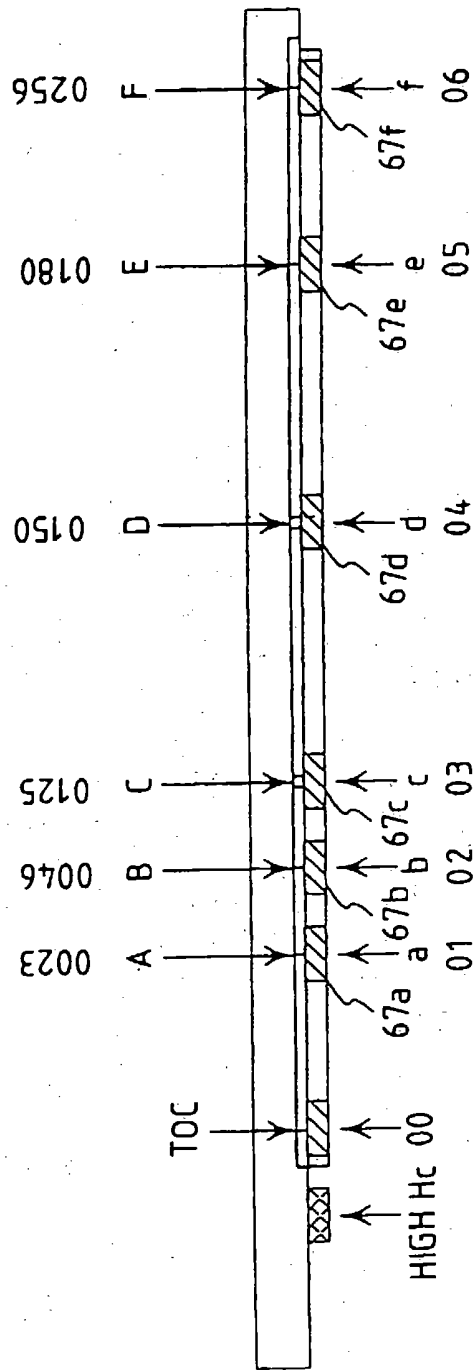


FIG. 156

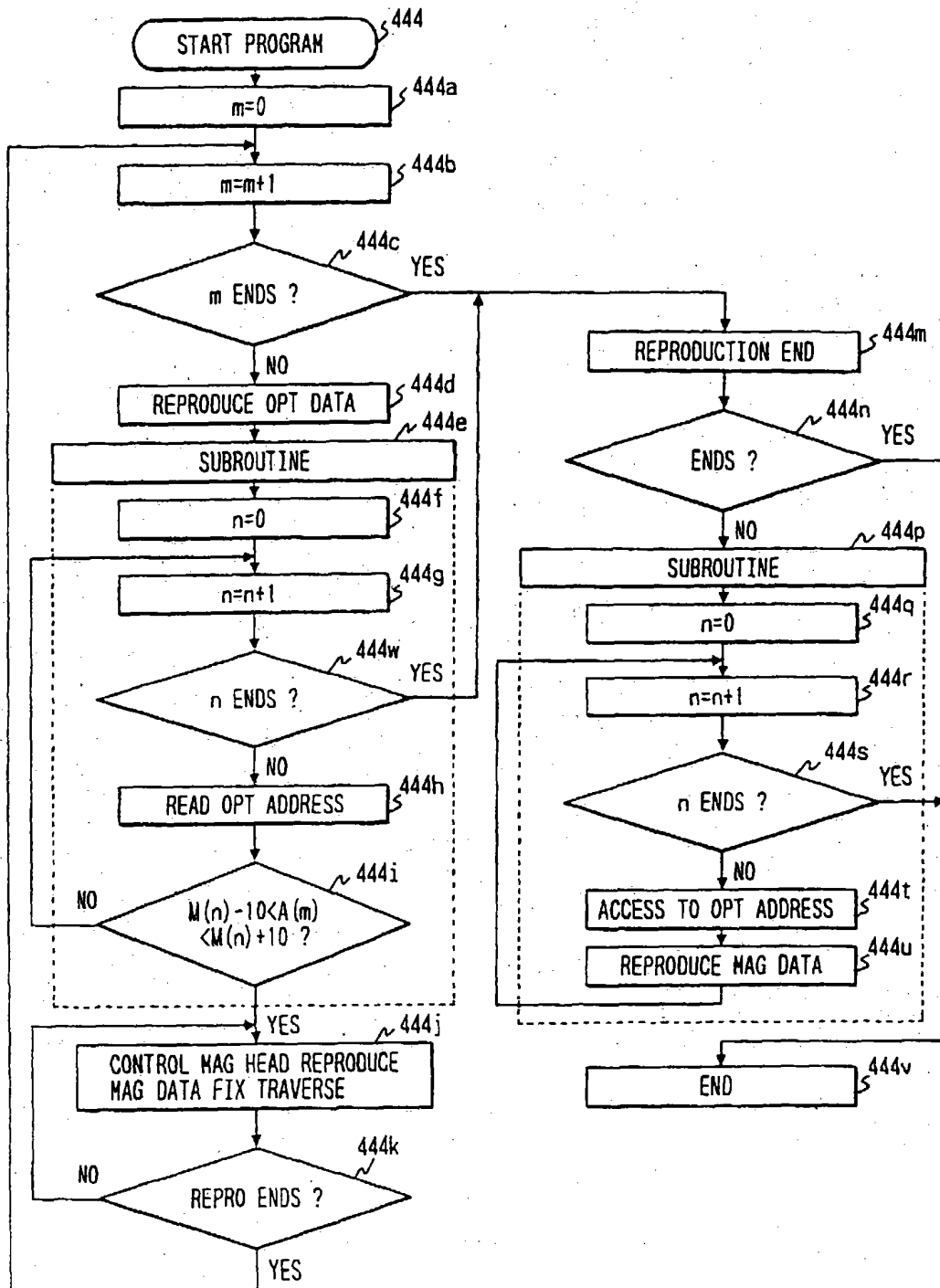


FIG. 157(a)

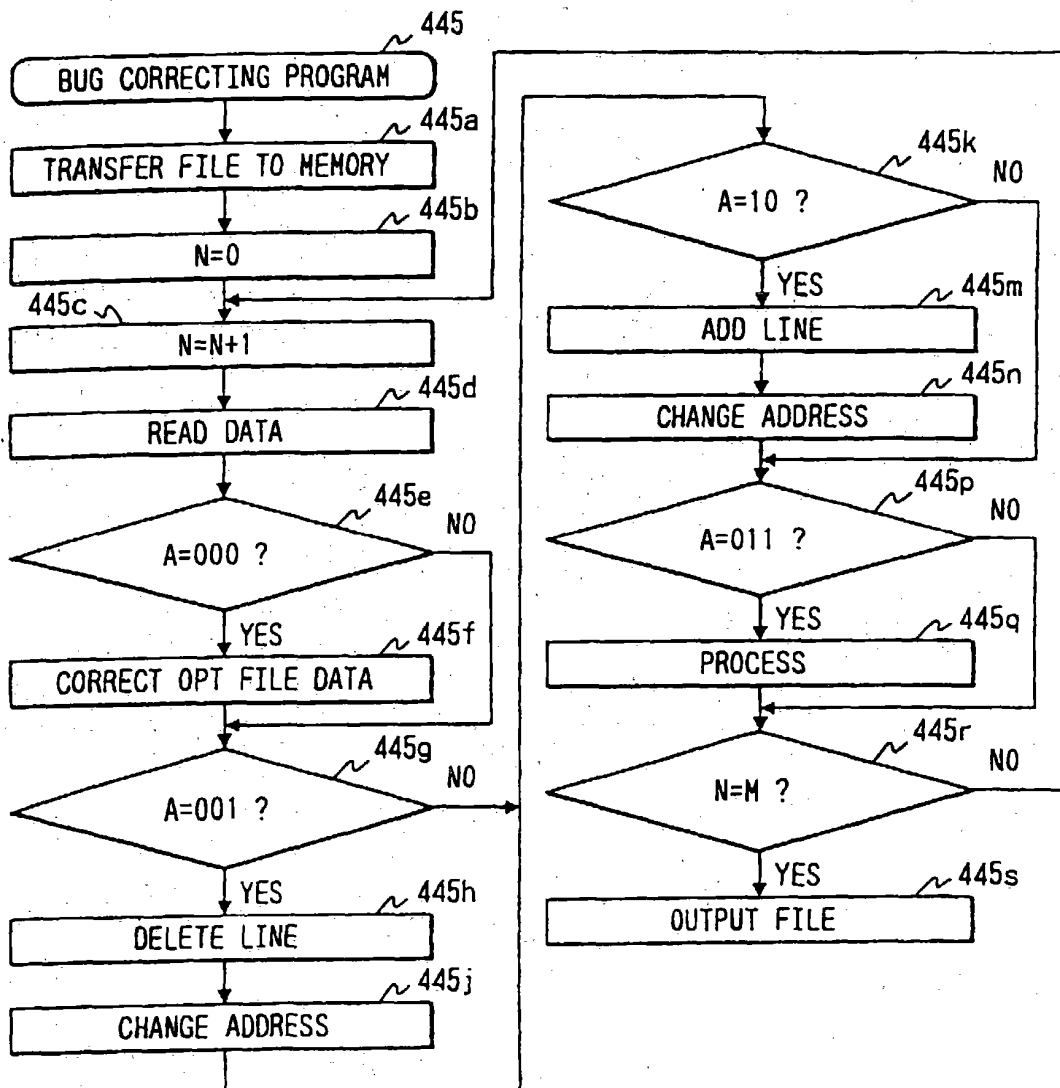


FIG. 157(b)

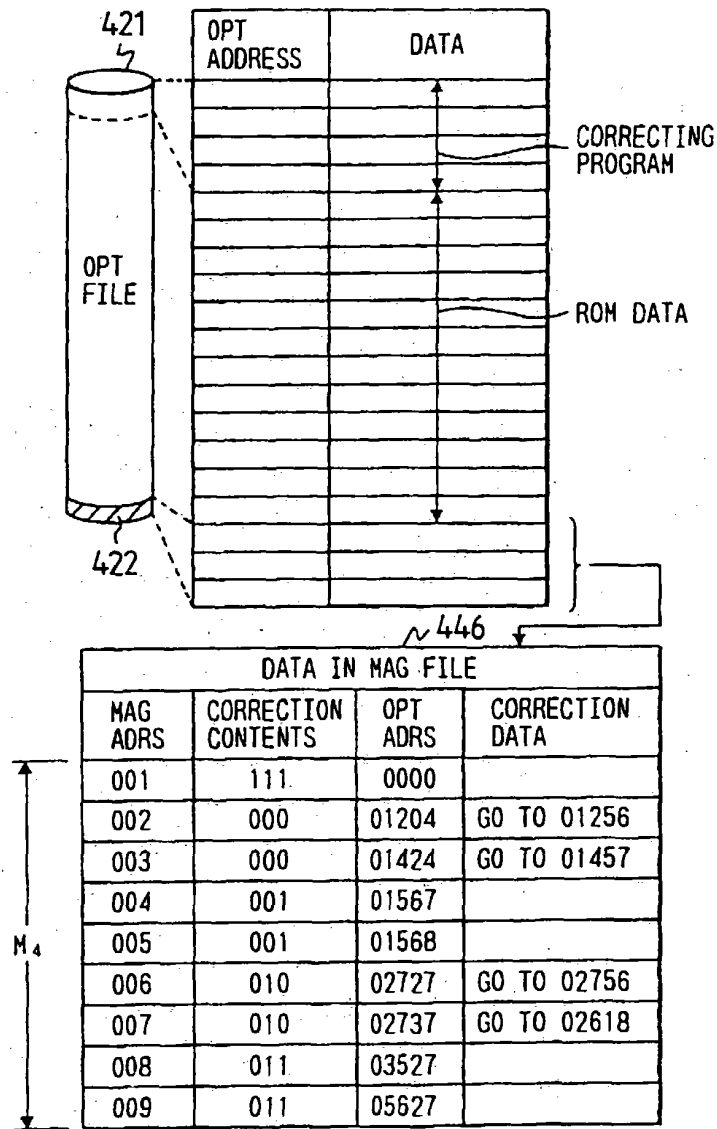


FIG. 157(c)

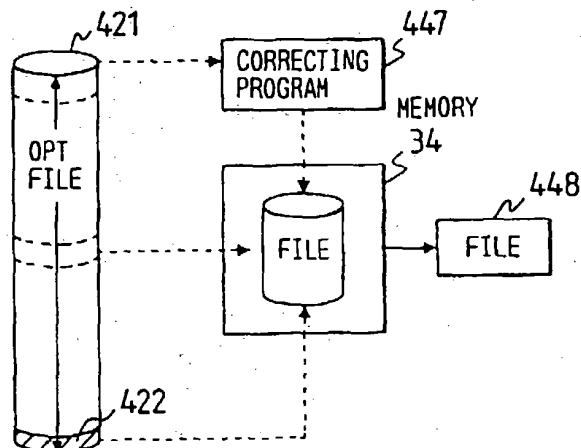


FIG. 158(a)

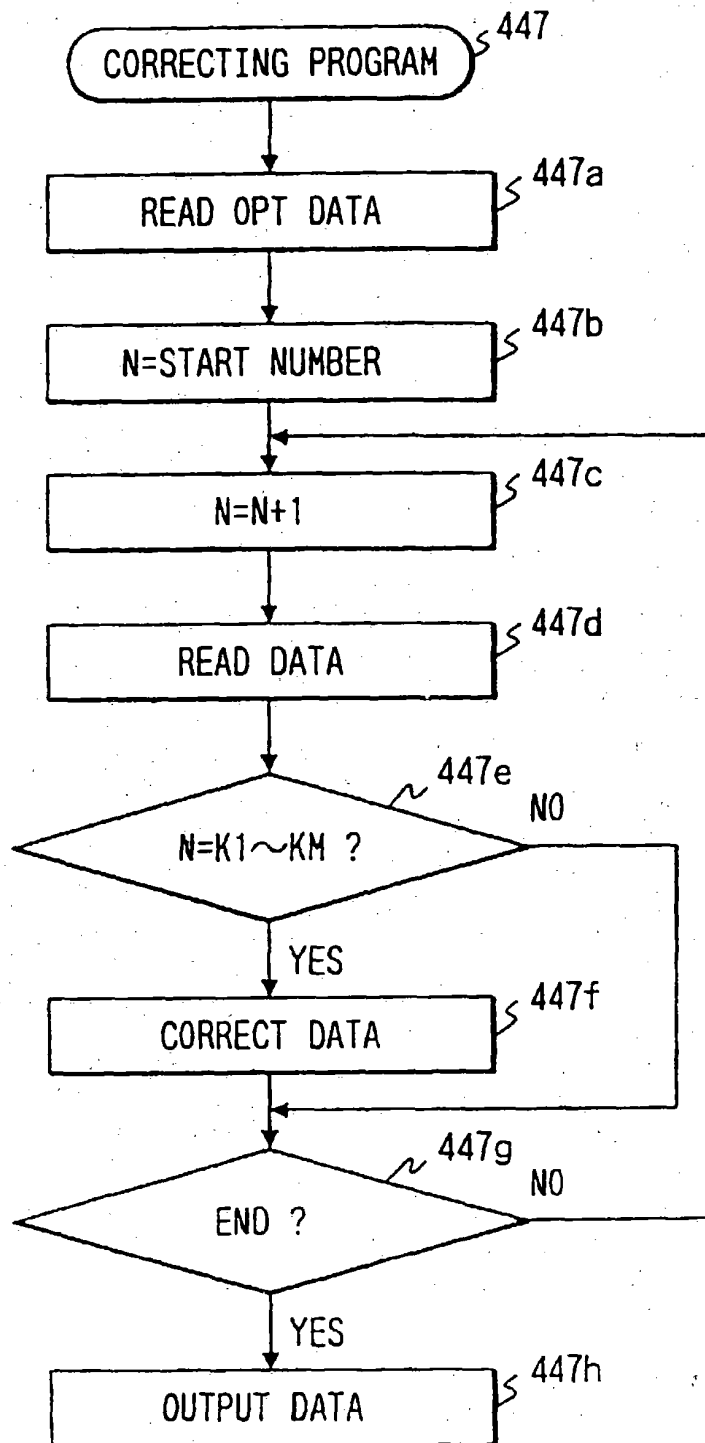


FIG. 158(b)

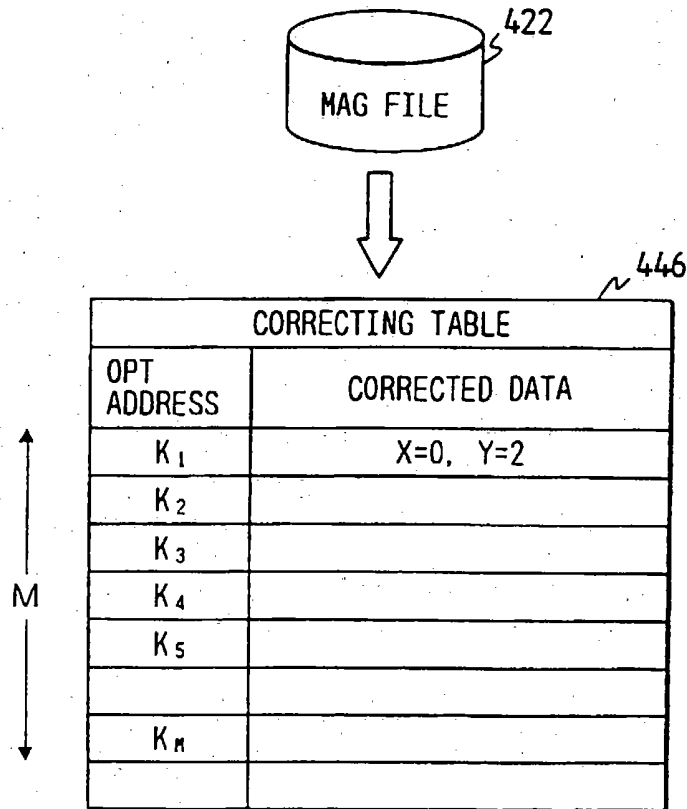


FIG. 158(c)

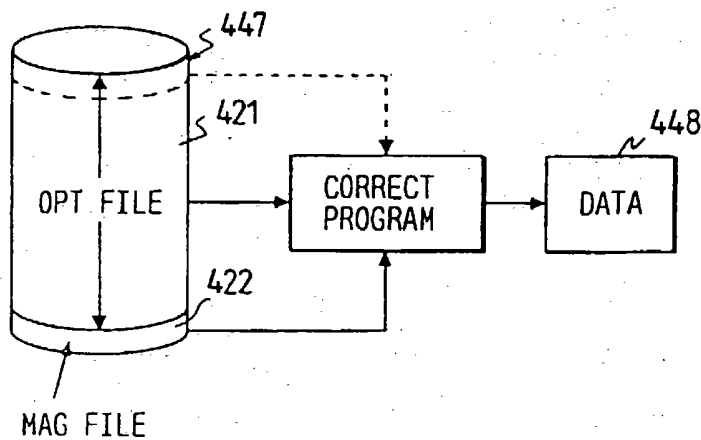




FIG. 159

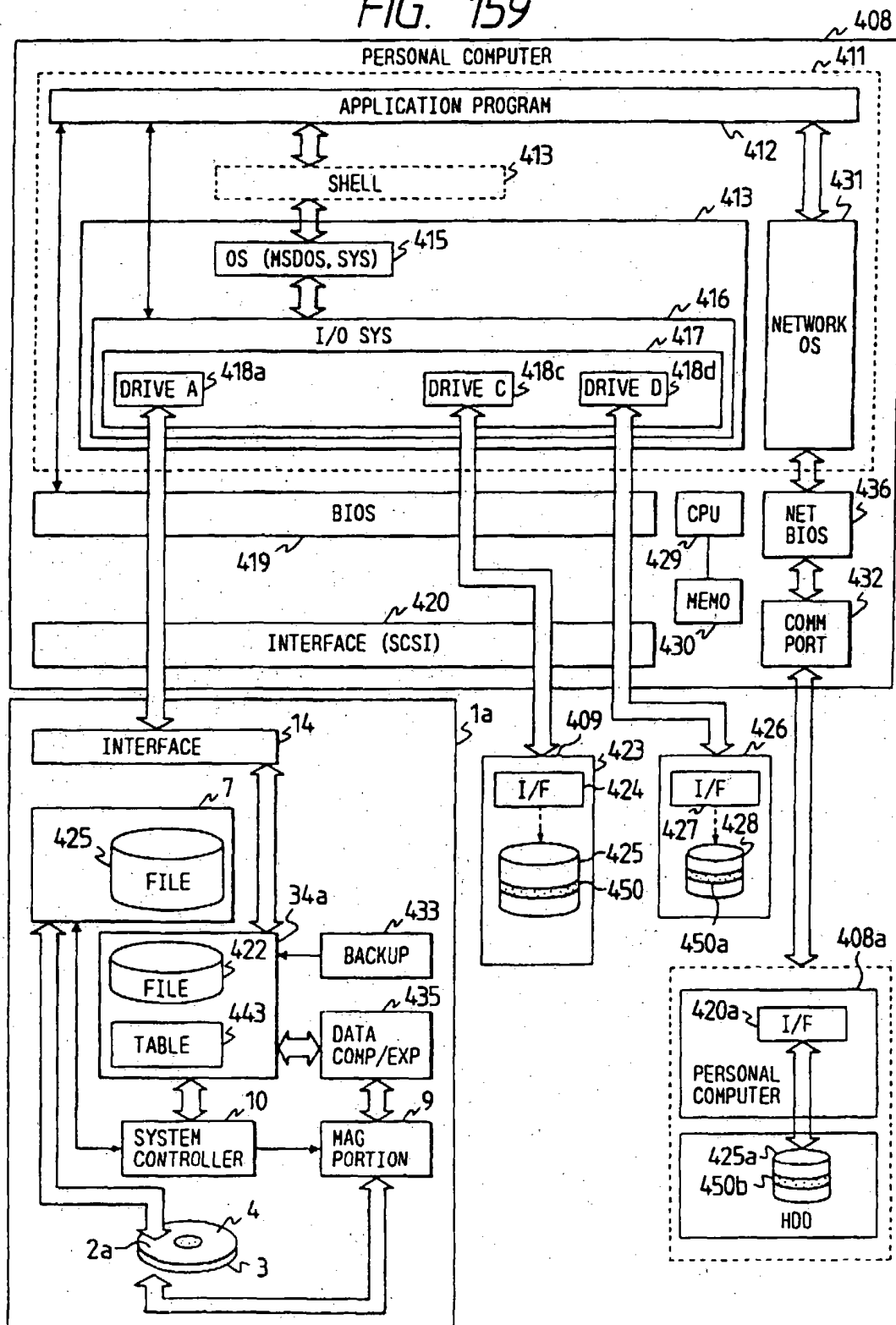


FIG. 160

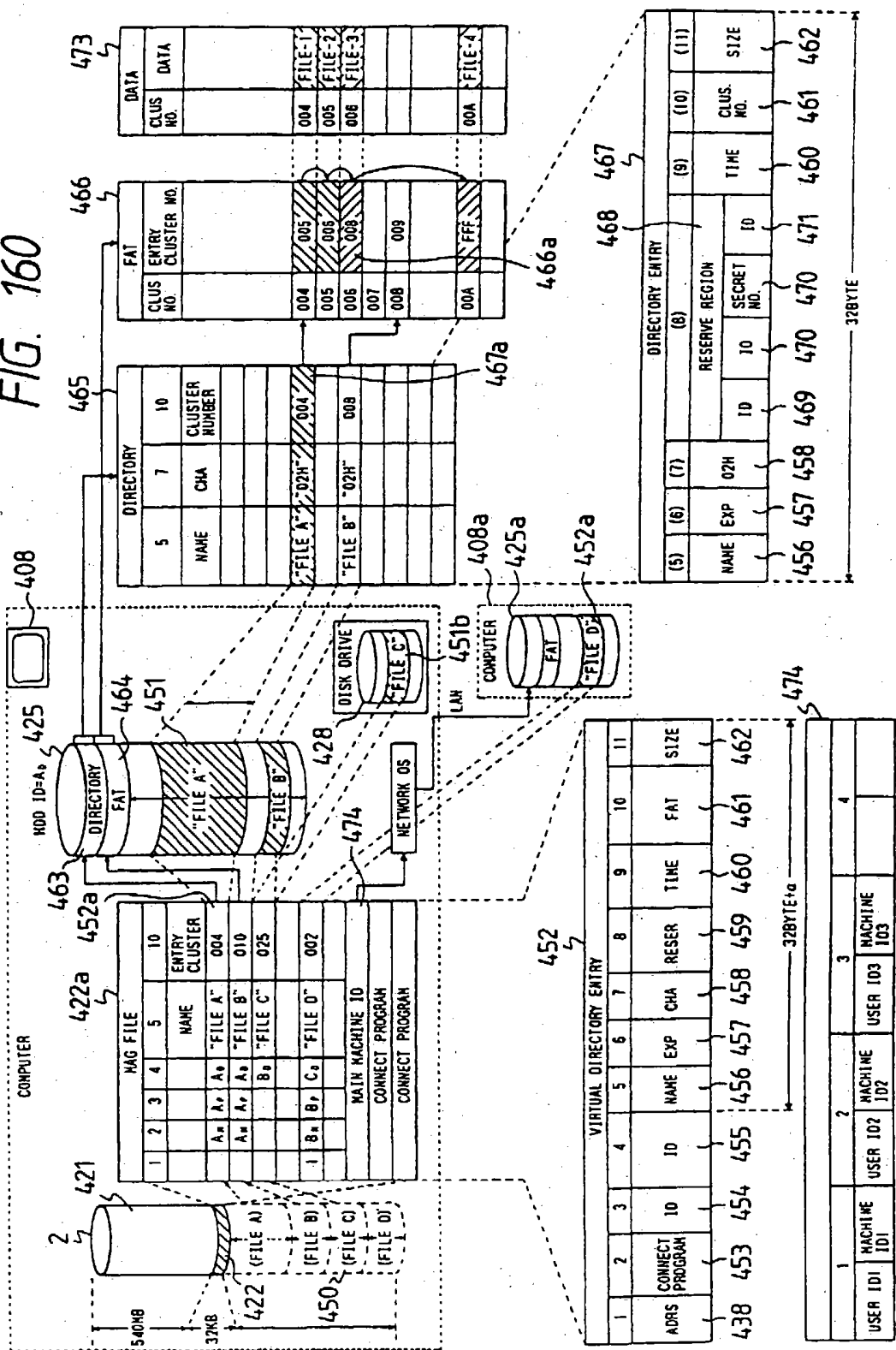


FIG. 161

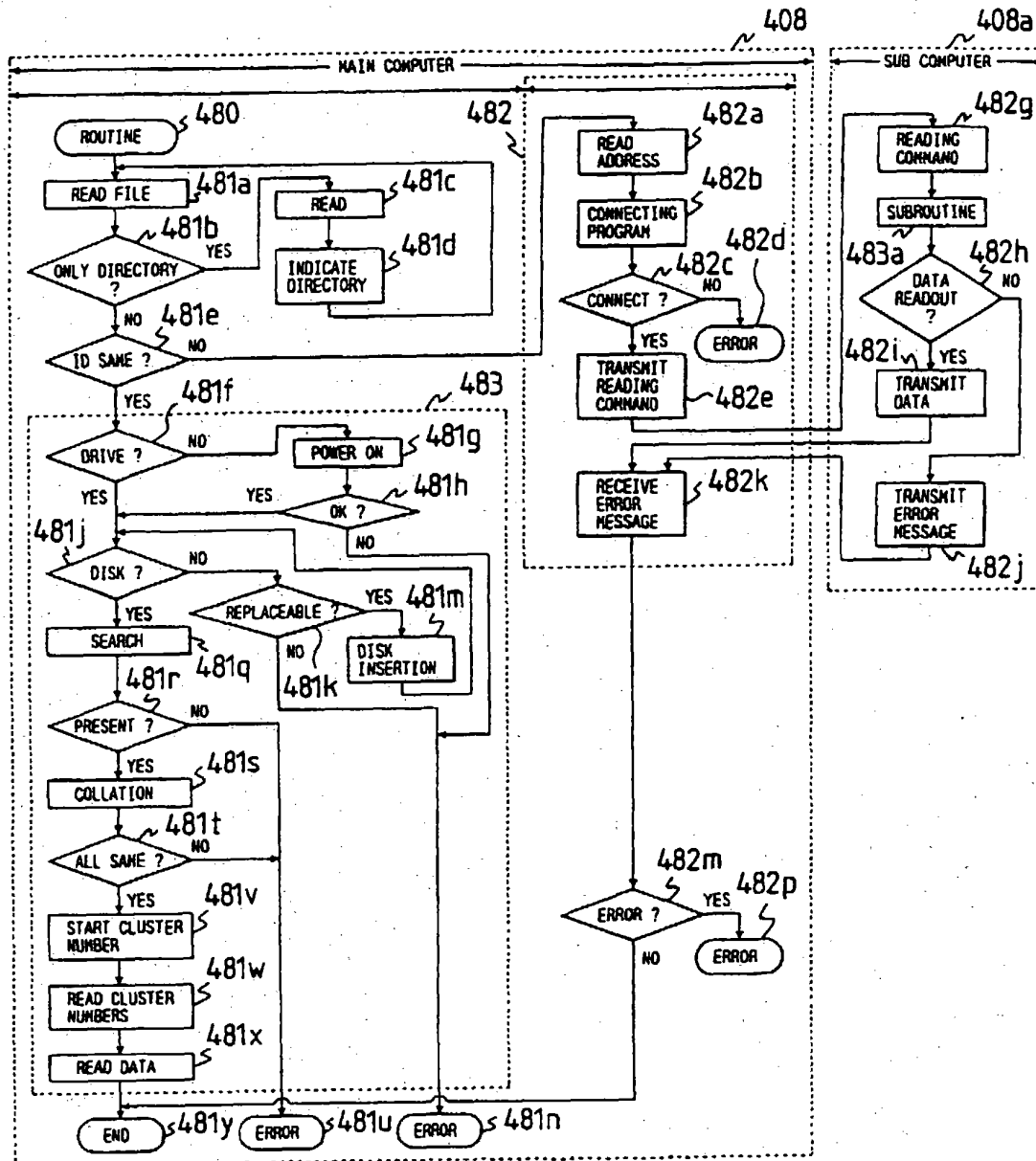


FIG. 162

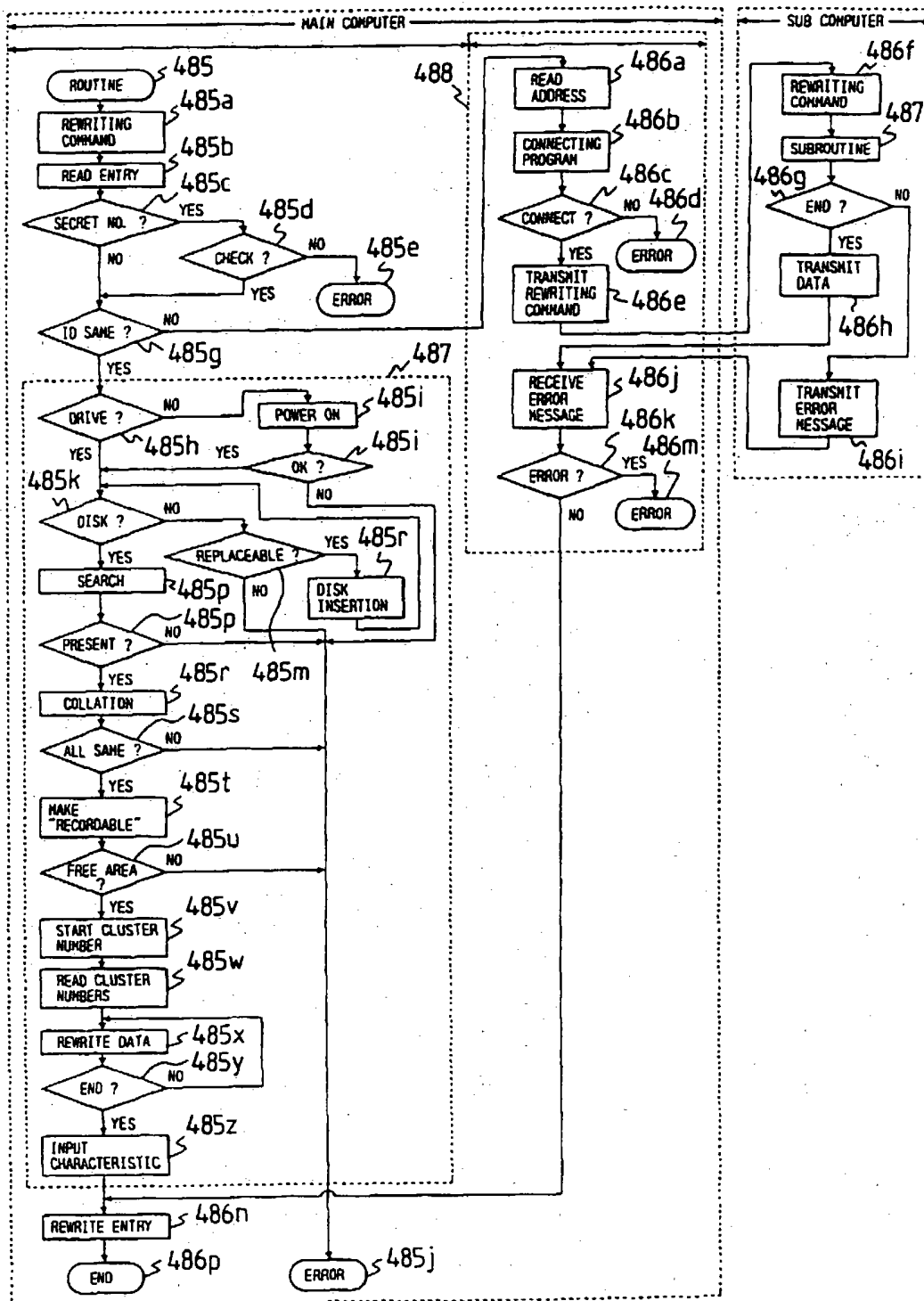


FIG. 163

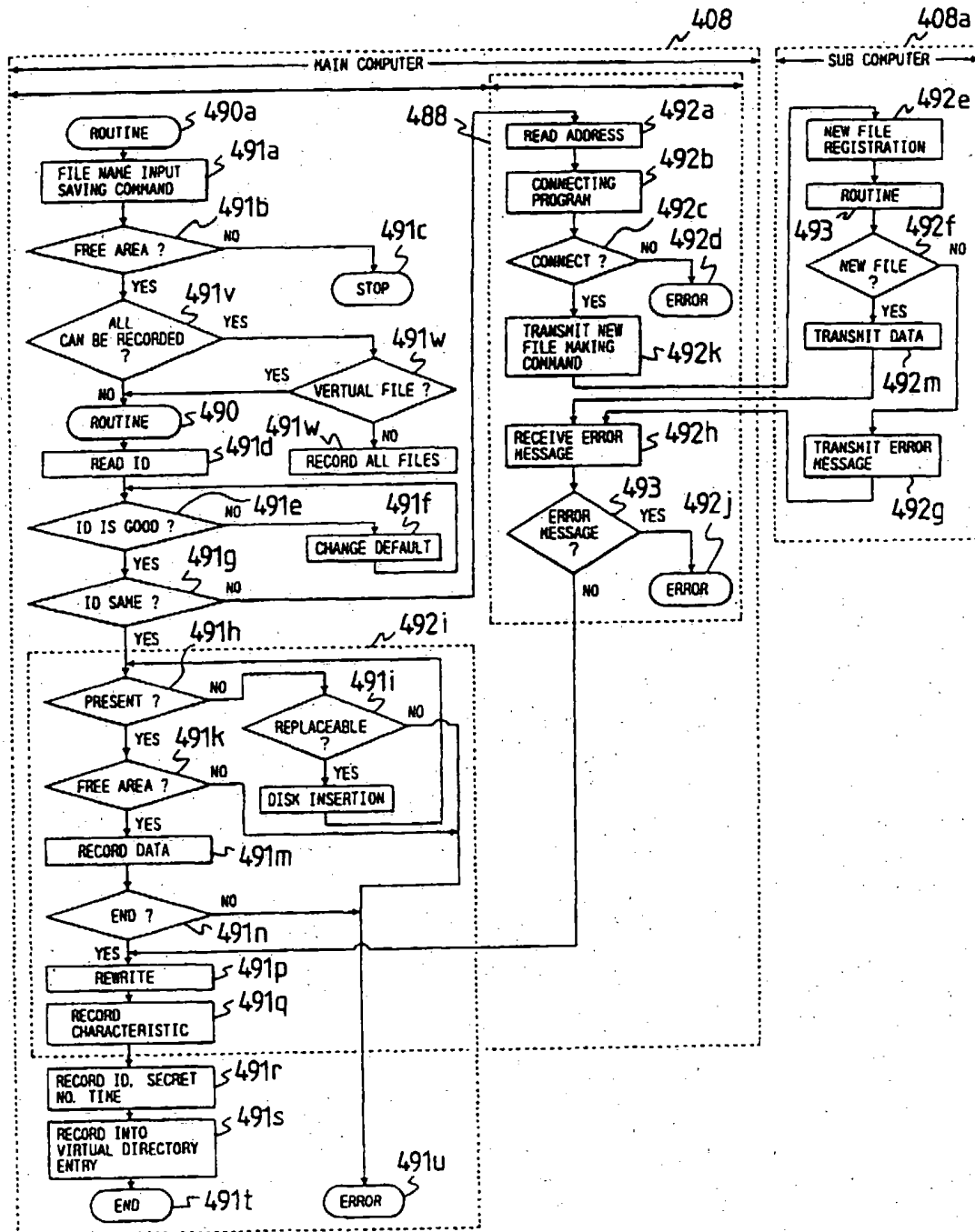


FIG. 164(a)

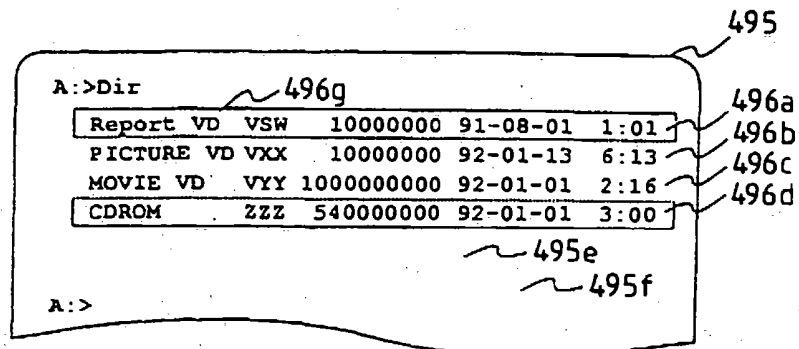


FIG. 164(b)

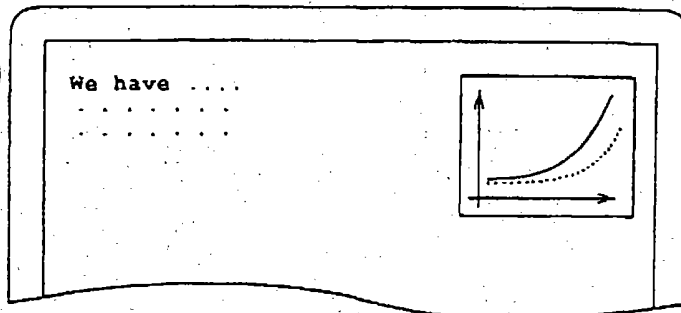


FIG. 164(c)

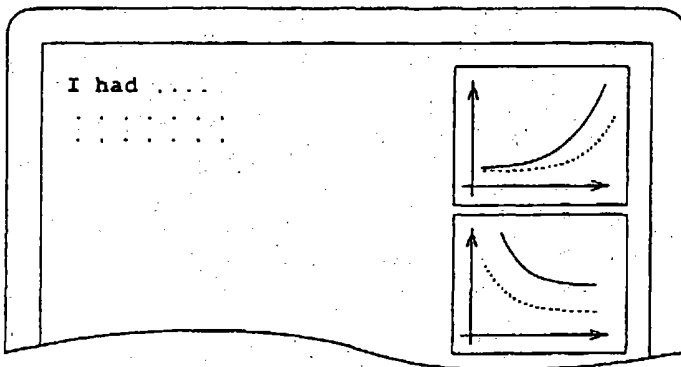


FIG. 164(d)

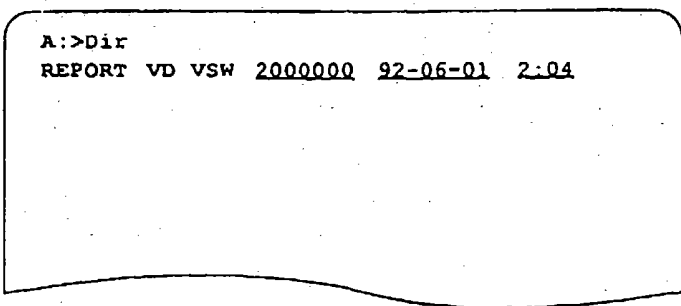


FIG. 165

495

```

A:>Dir
  CDR0M1          <DIR> 89-01-01  3:00
  CDR0M2          <DIR> 89-01-01  3:00
  CDR0M          ZZZ 500,000,000 90-01-01  3:00
  _____
                1 FILE
                0 BYTE USABLE

A:> B:
B:¥>CD VD1
B:¥VD1>Dir
  X.V            VSW 10,000,000 91-08-01  1:01
  PICTURE.V      VXX 10,000,000 92-01-13  6:13
  MOVIE.V        VYY 10,000,000 92-01-01  2:10
  TEST           <DIR> 92-01-10  2:15
  _____
                3 FILES
                8,980,000,000 BYTE USABLE
  
```

496h

496i

496j

FIG. 166(a)

REGISTRATION?  
File "X"  
A:>Yes 496p  
Password? ~  
A:>123456 ~ 496q  
OK

FIG. 166(b)

DRIVE NOT READY  
POWER ON DRIVE ~ 496r

FIG. 166(c)

ERROR ~ 496s

FIG. 166(d)

INSERT DISK XX ~ 496t



FIG. 167(a)

495a

D:>Dir

XXXXA	XXX	100,000	89-02-01	1:01
XXXXB	XXX	100,000	89-03-01	1:01
XXXXC	XXX	200,000	89-04-01	1:01

3 FILES

2,000,000,000 BYTE USABLE

FIG. 167(b)

D:>Dir

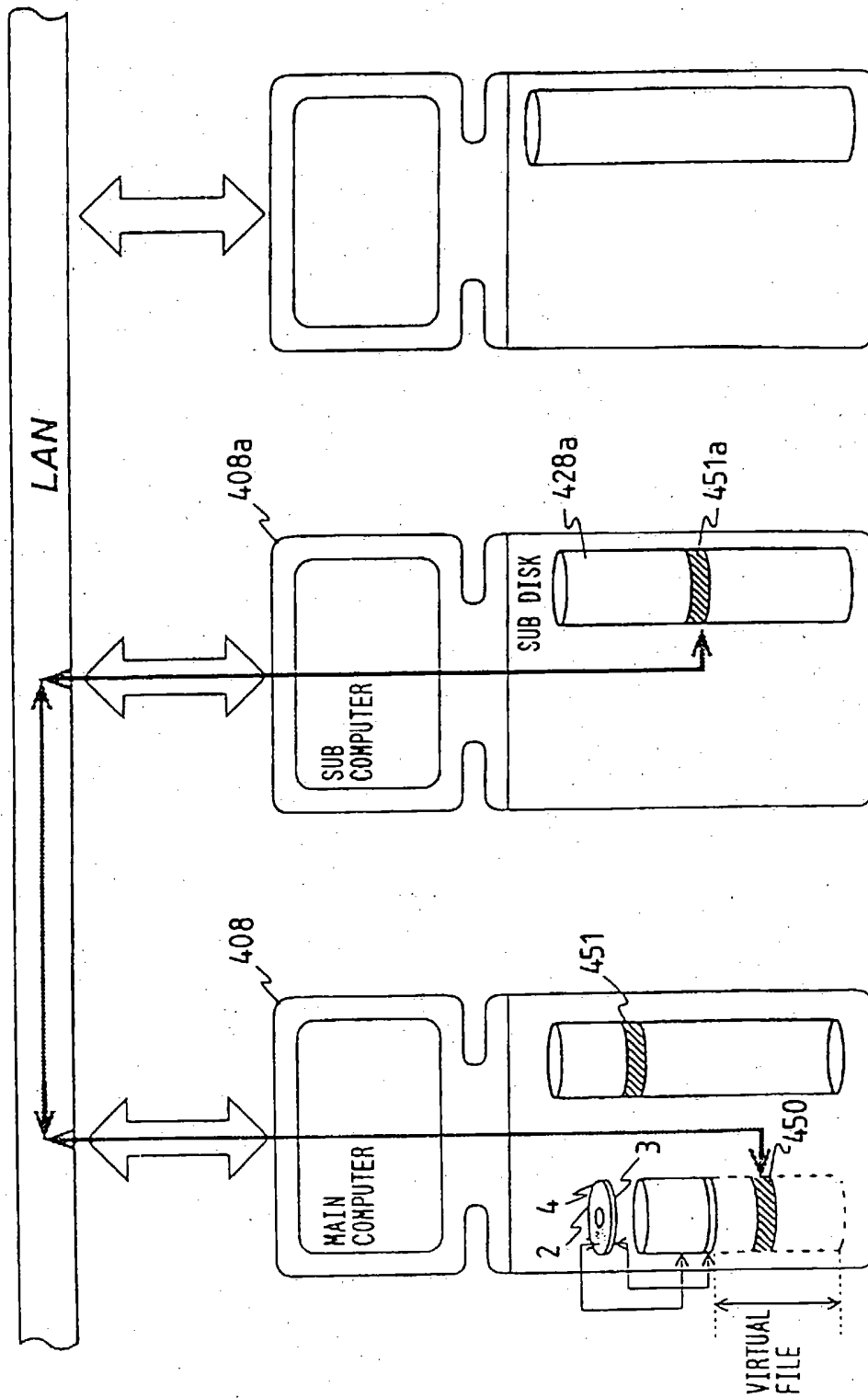
XXXXA	XXX	100,000	89-02-01	1:01
XXXXB	XXX	100,000	89-03-01	1:01
XXXXC	XXX	200,000	89-04-01	1:01

VD <Dir > 1,000,000 89-05-01 1:01

3 FILES

2,000,000,000 BYTE USABLE

FIG. 168



## FIG. 169

```
A:>save file X
Please input your ID?
A:>TOM
MAIN MACHINE ID, SUB DISK ID, DEFAULT VALUES OK?
A:>Yes
Please insert disk XX
A:>
```

## FIG. 170

```
A:> Start Program No.11
Please input Password of Program No.N
A:> 123456
OK
```

FIG. 171

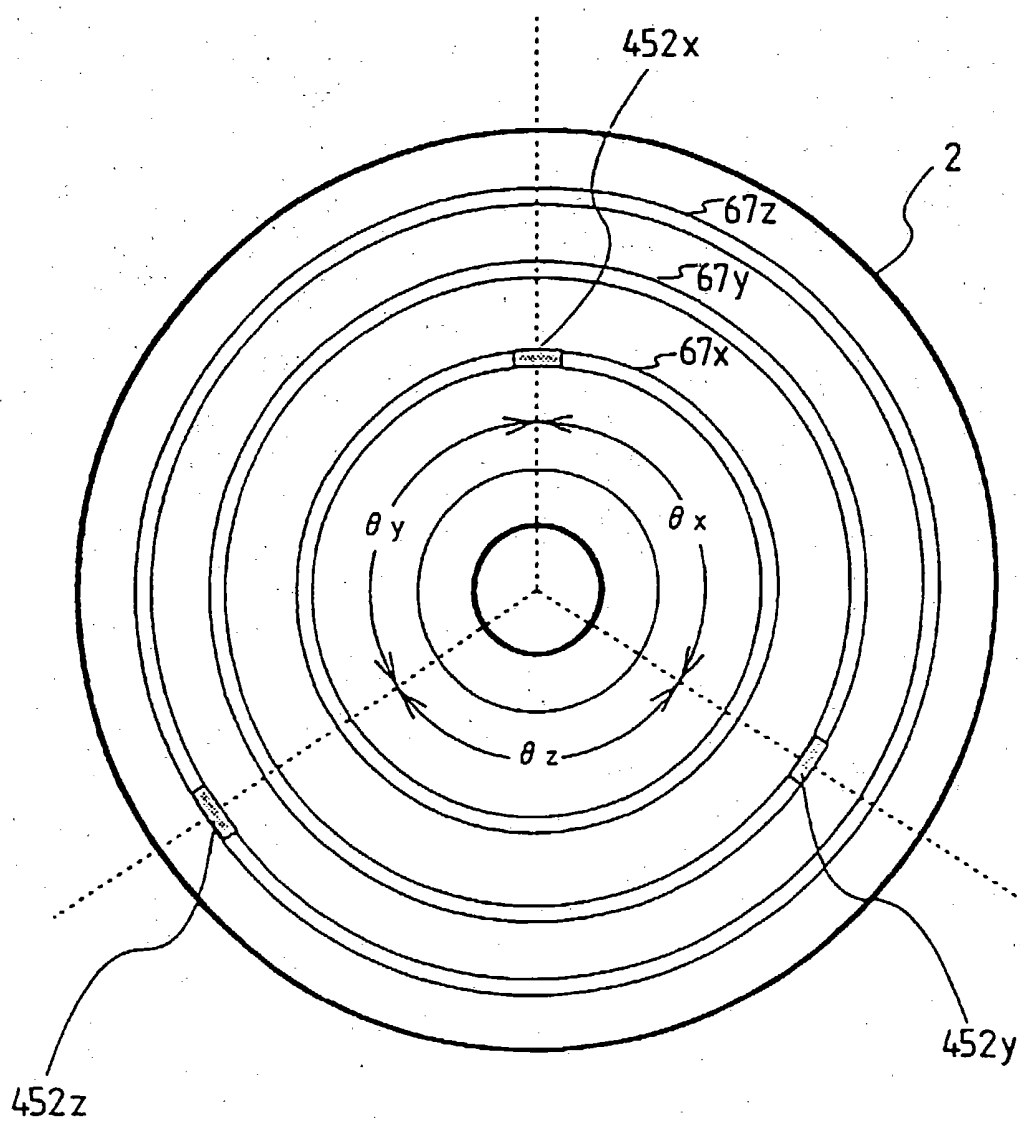


FIG. 172(a)

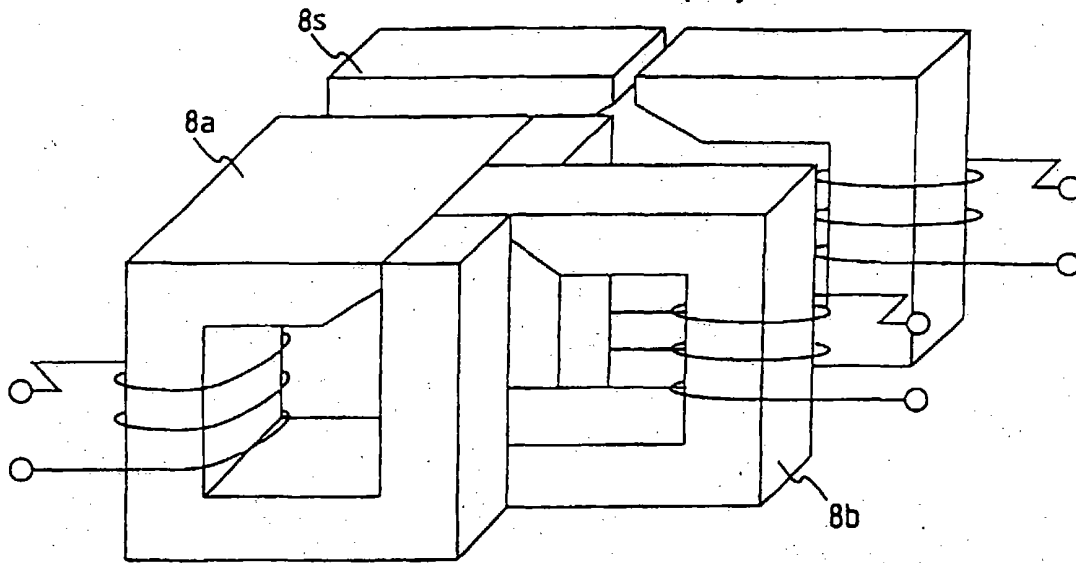


FIG. 172(b)

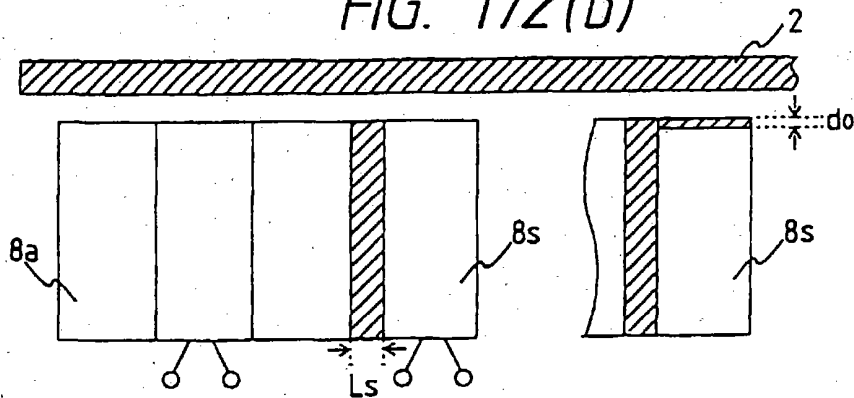


FIG. 172(c)

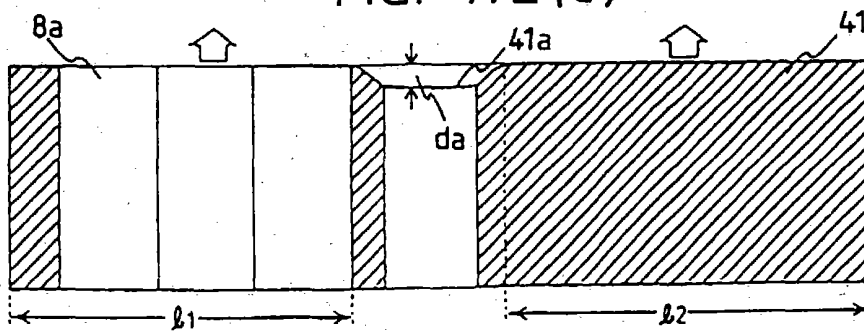


FIG. 173(a)

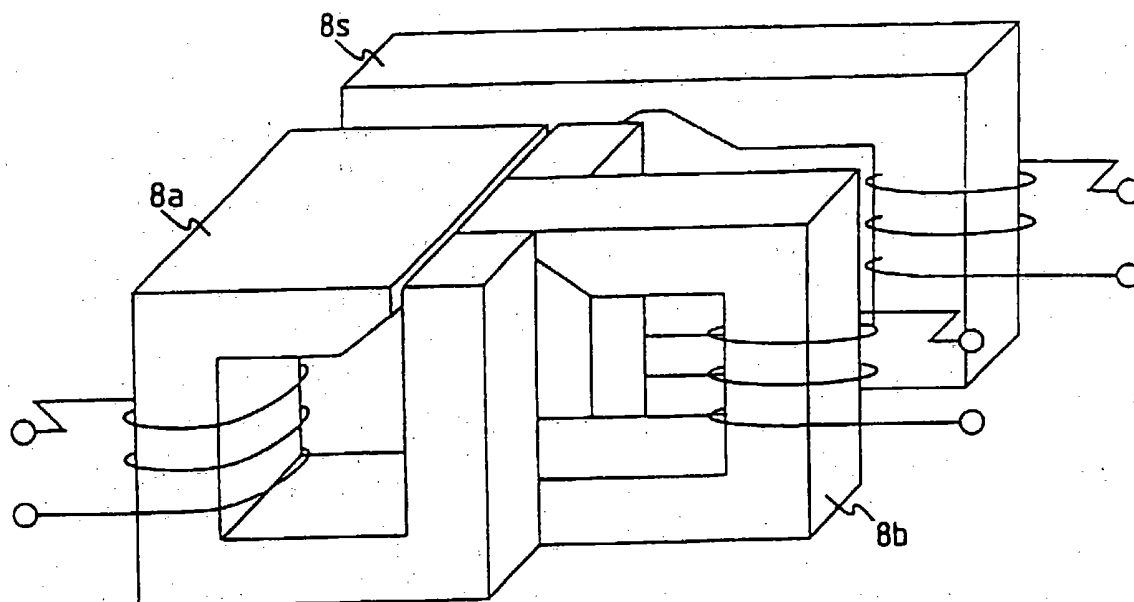


FIG. 173(b)

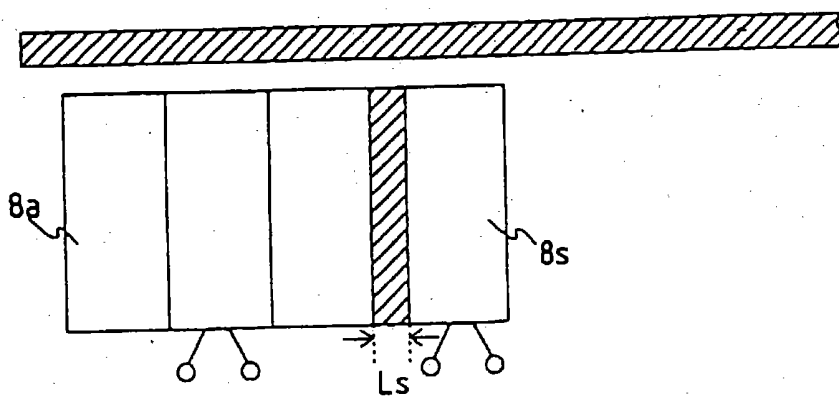


FIG. 174(a)

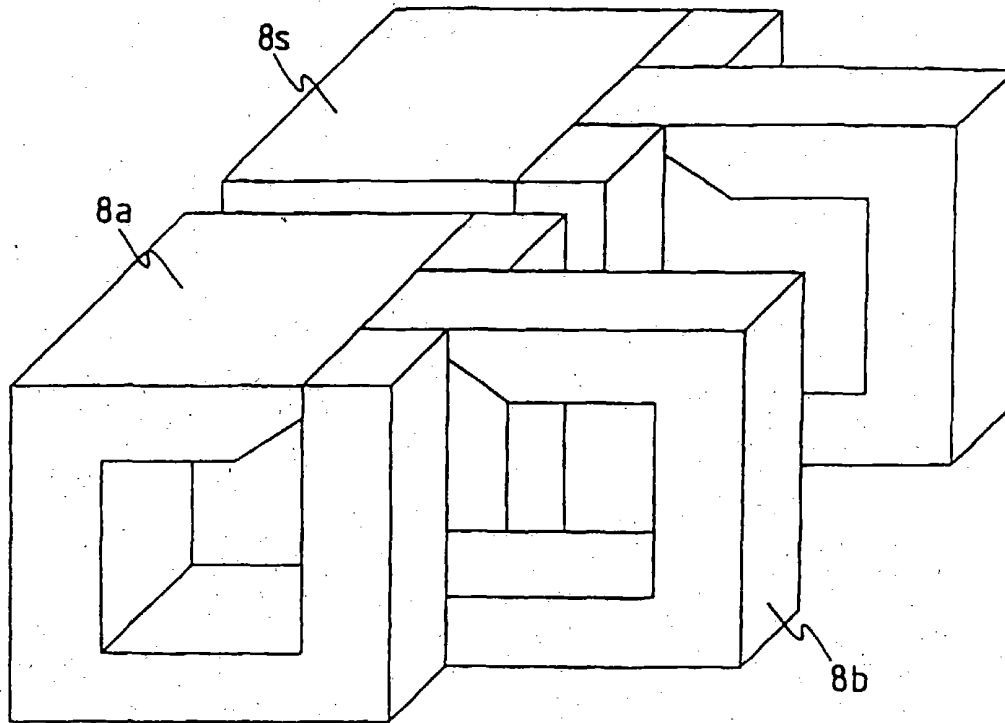


FIG. 174(b)

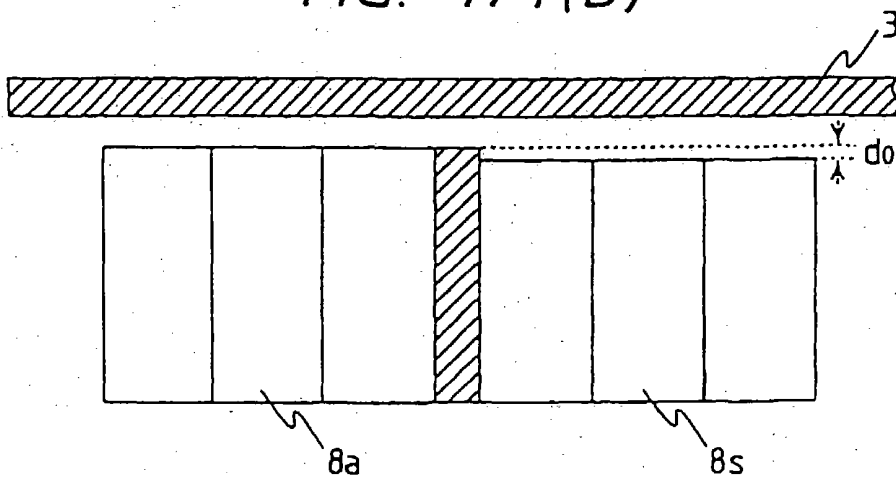


FIG. 175(a)

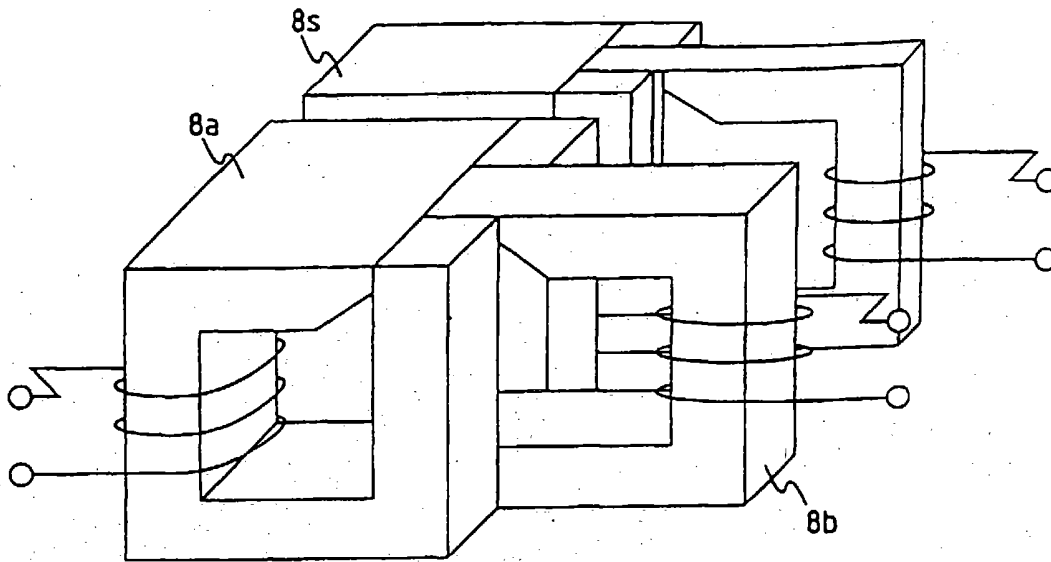


FIG. 175(b)

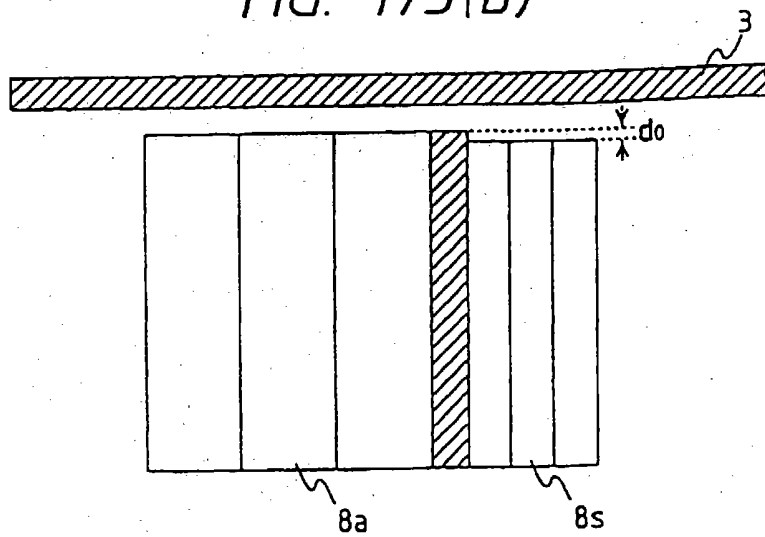




FIG. 176(a)

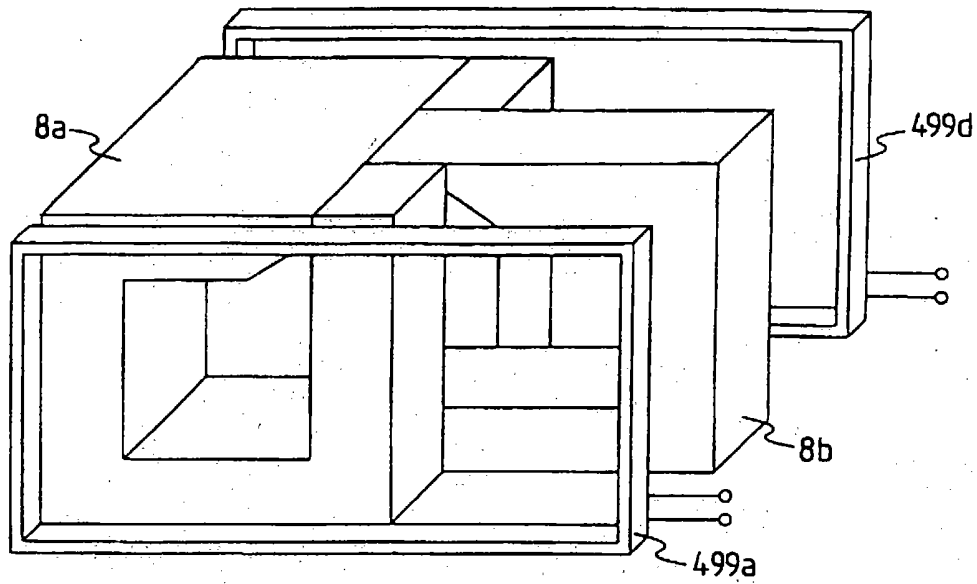


FIG. 176(b)

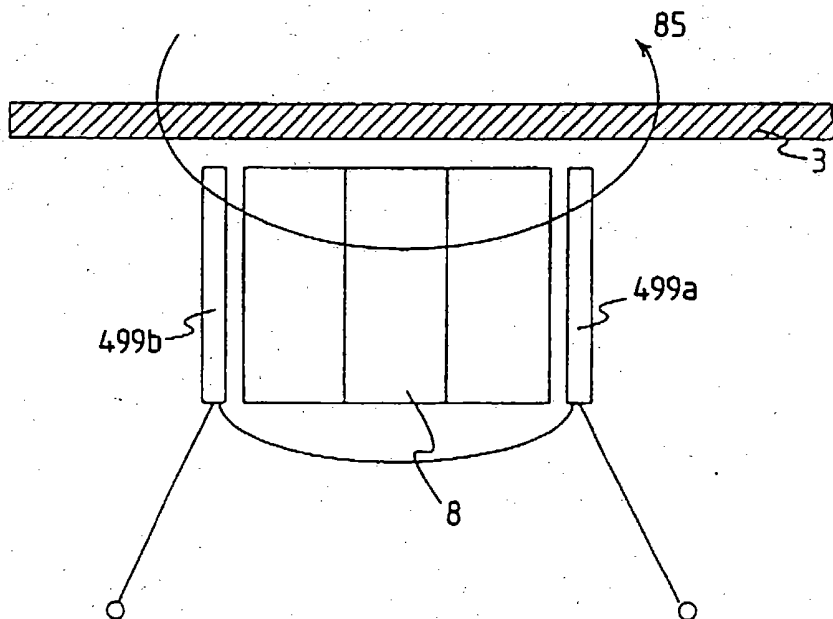


FIG. 177(a)

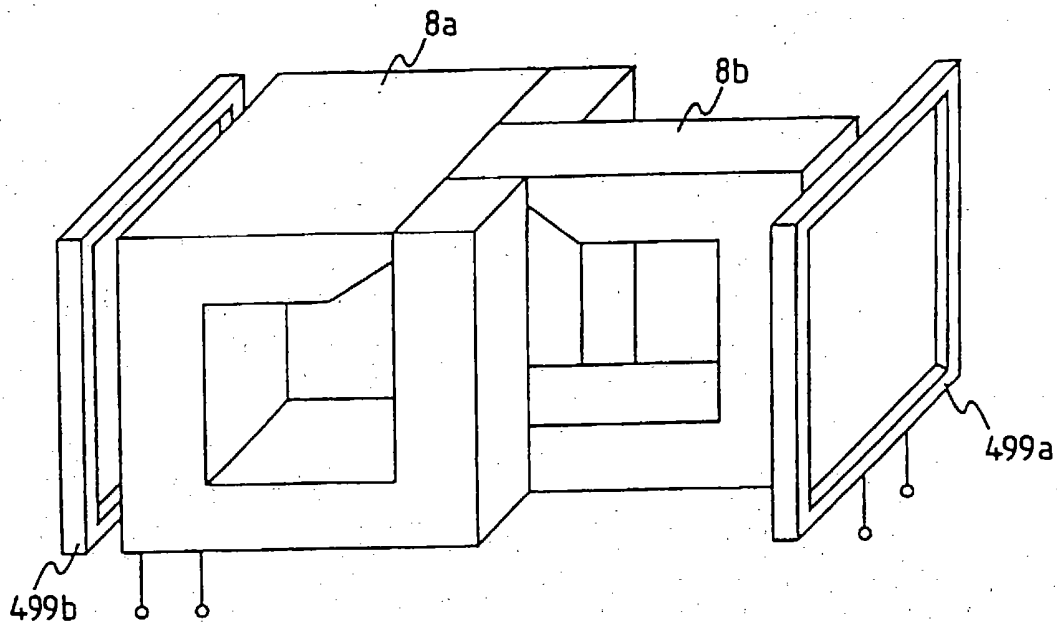


FIG. 177(b)

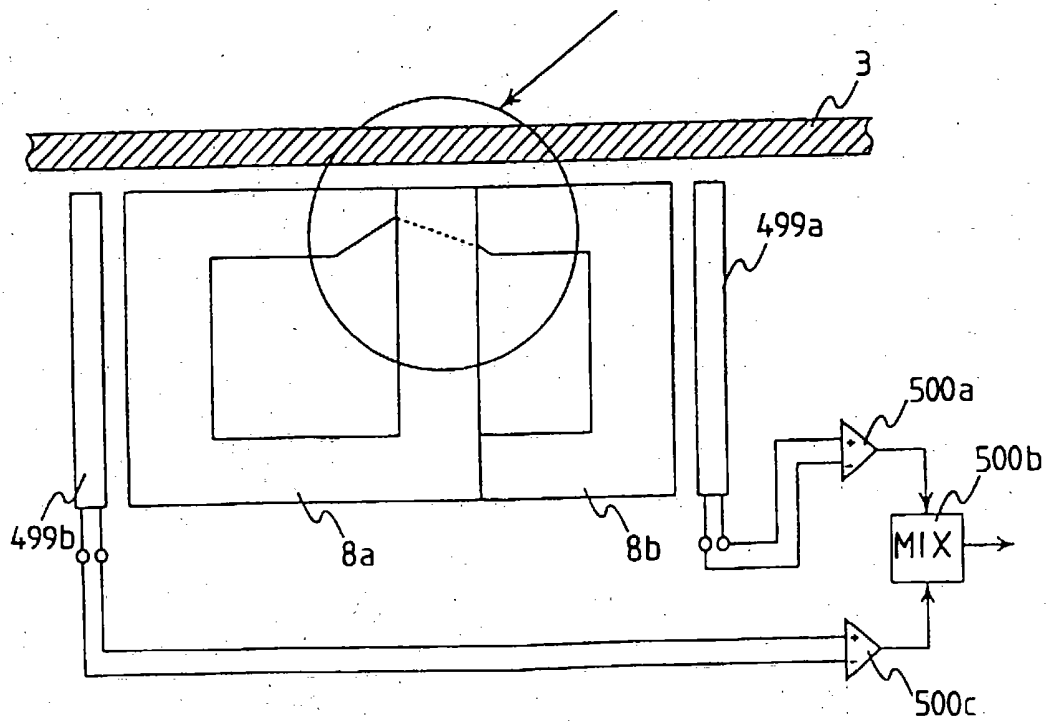


FIG. 178(a)

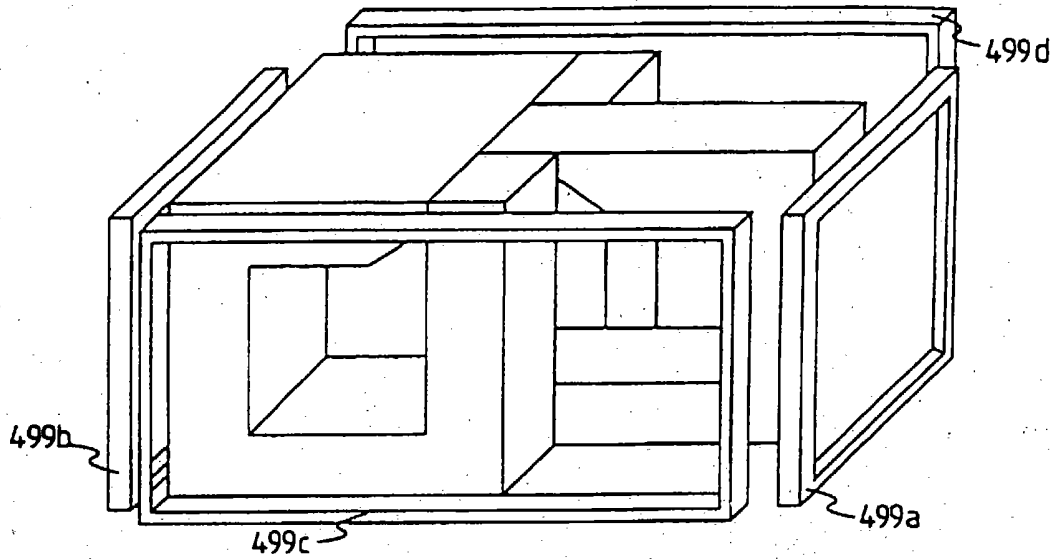


FIG. 178(b)

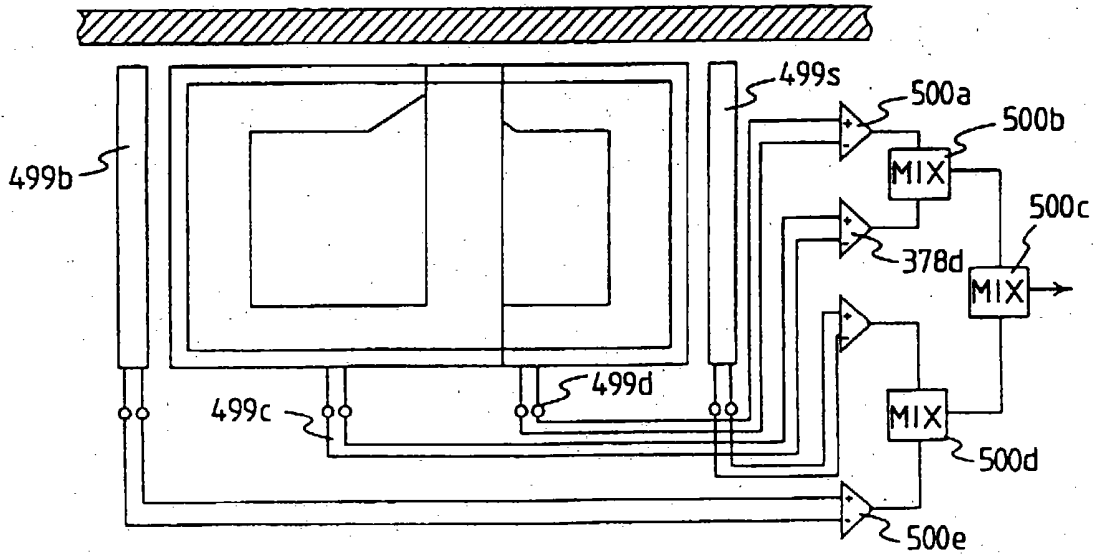


FIG. 179

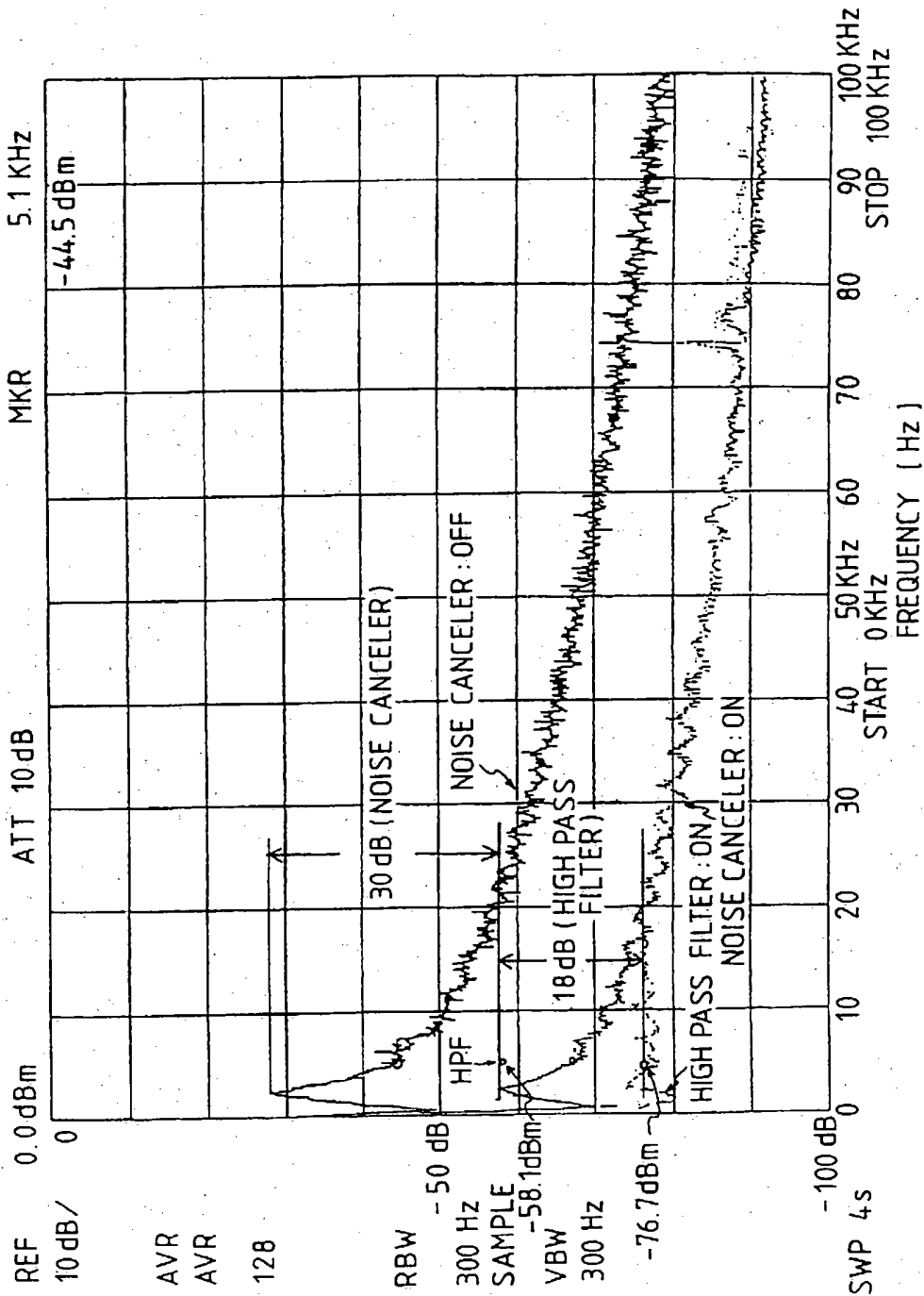


FIG. 180

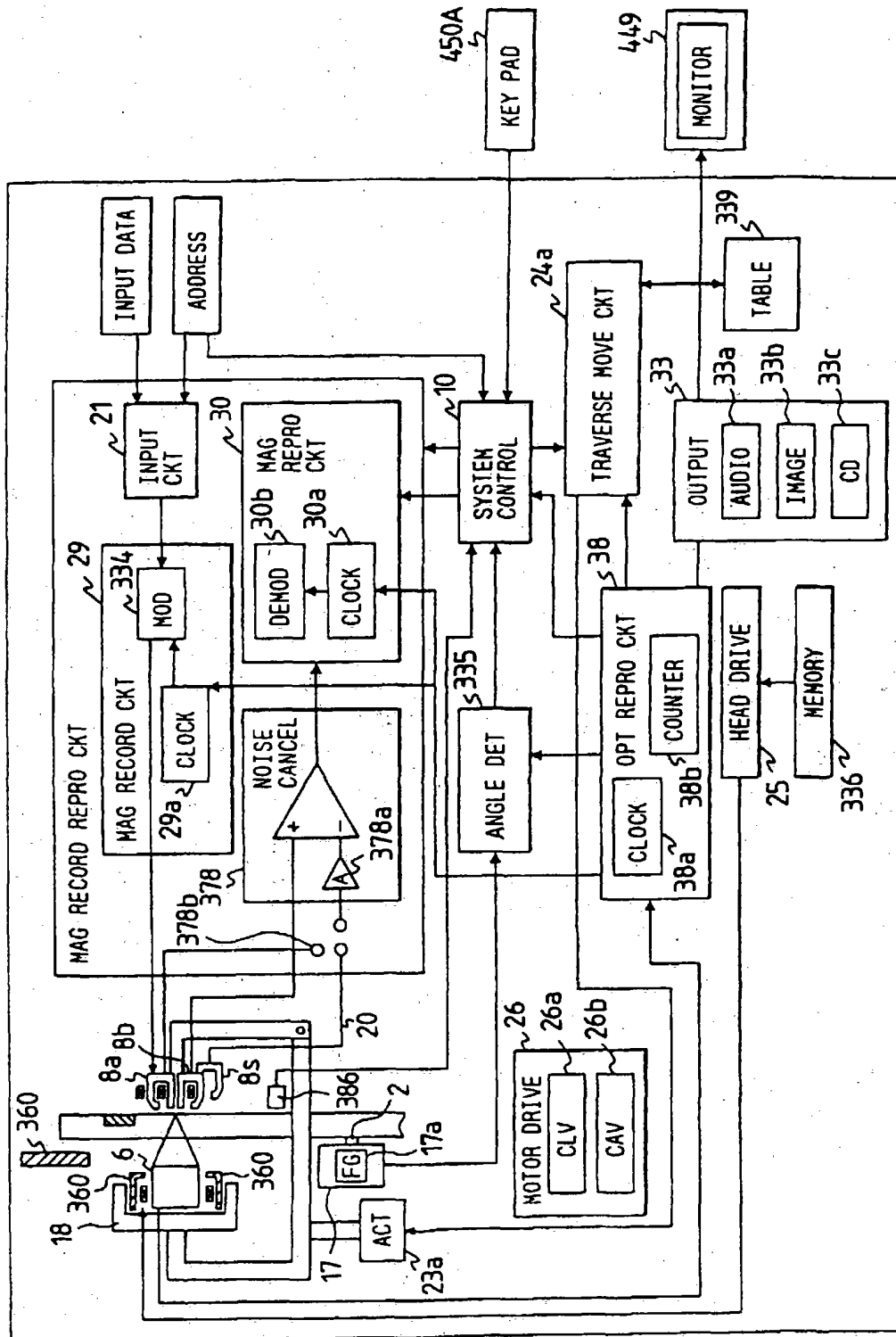


FIG. 181

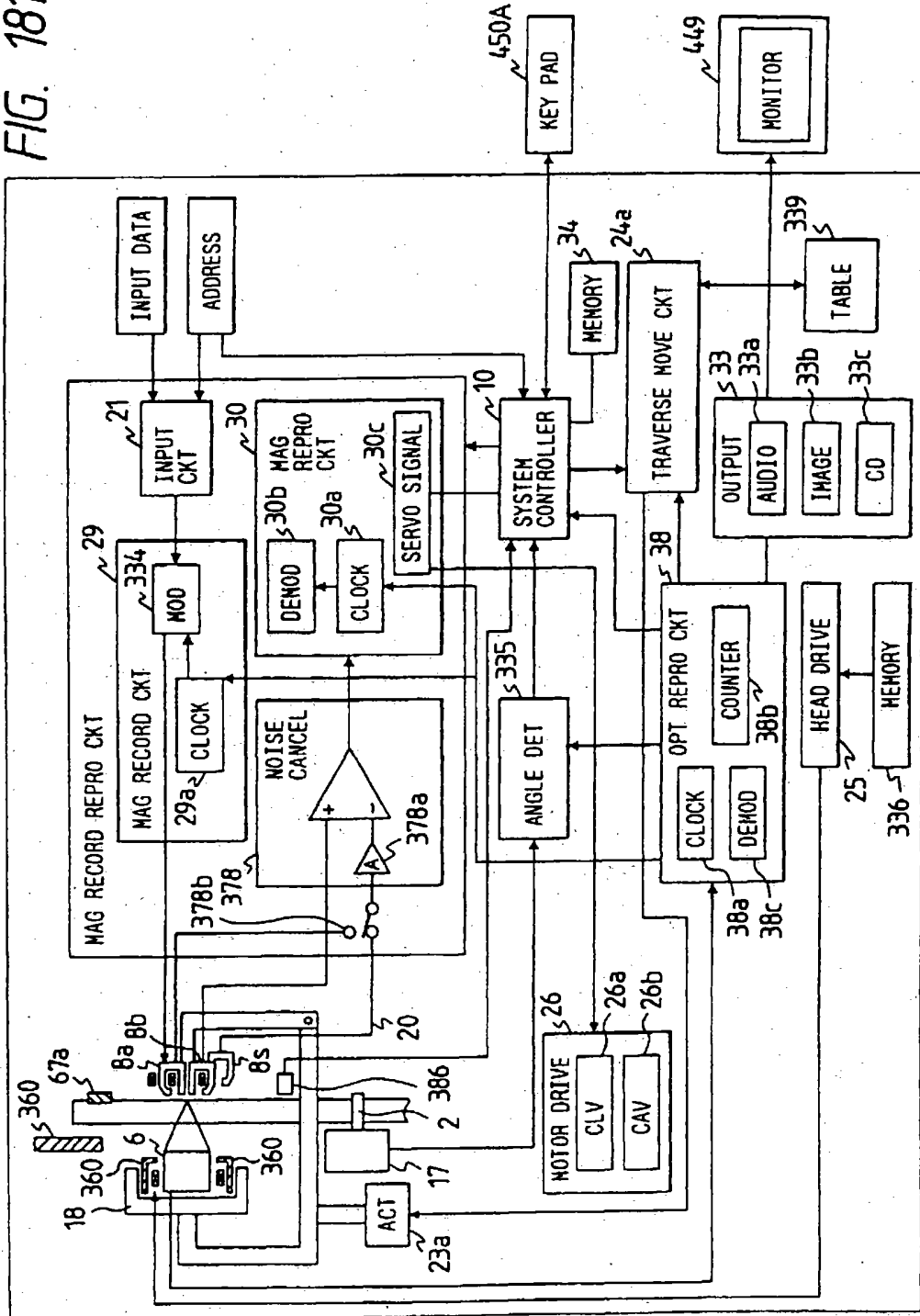


FIG. 182(a)

OPEN

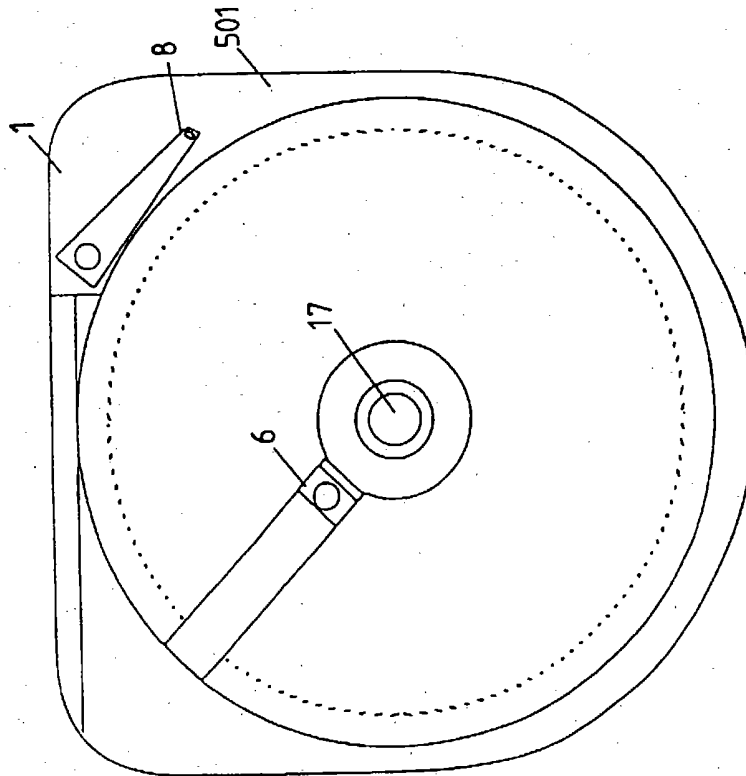
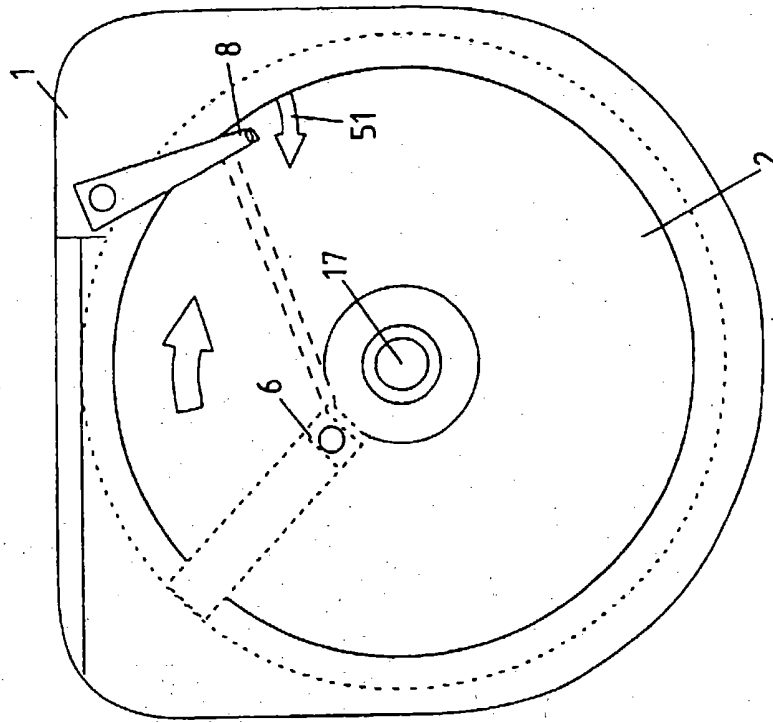


FIG. 182(b)

CLOSE



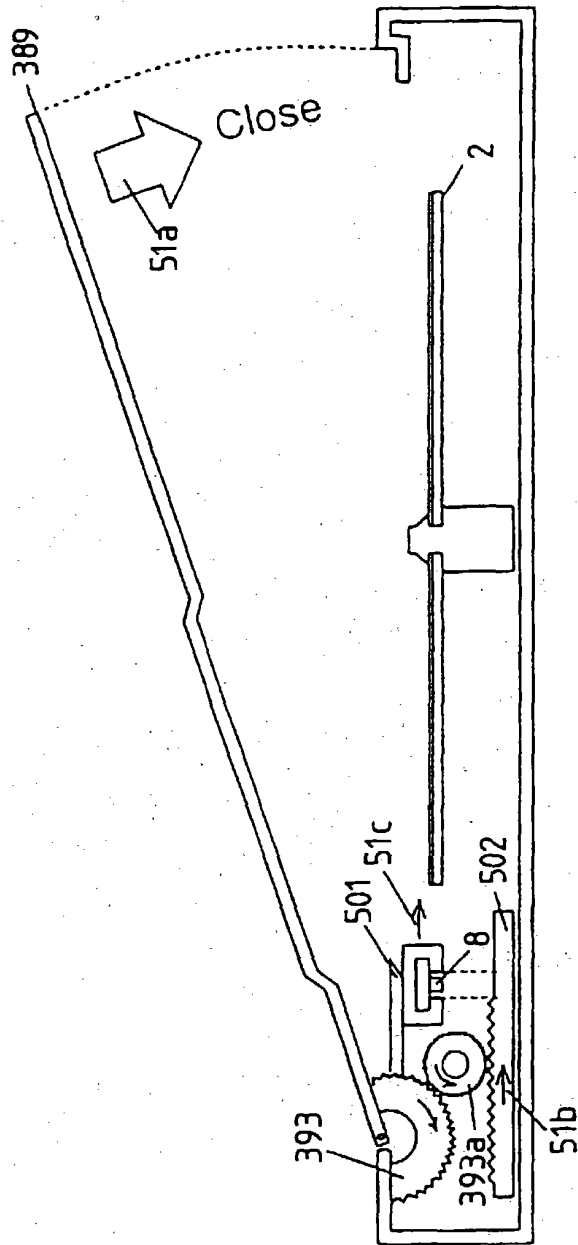


FIG. 183(a)

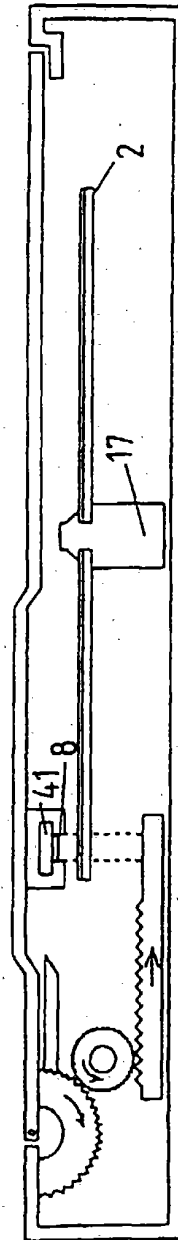


FIG. 183(b)



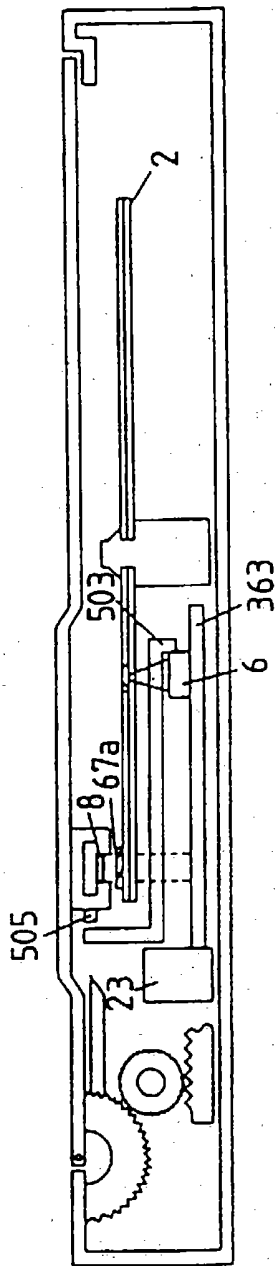


FIG. 183(c)

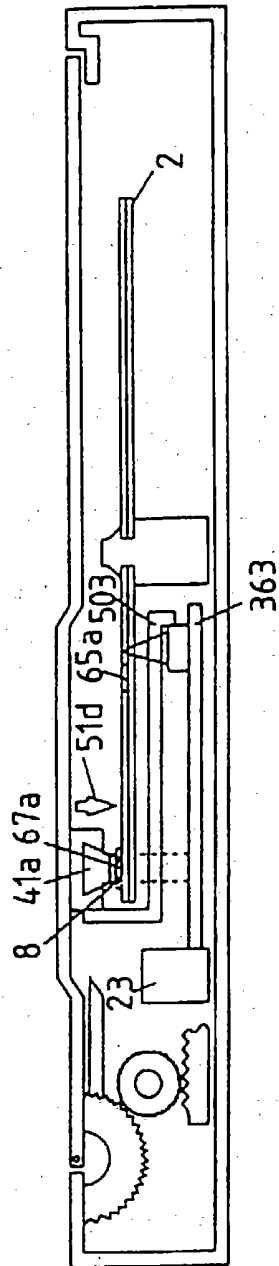


FIG. 183(d)

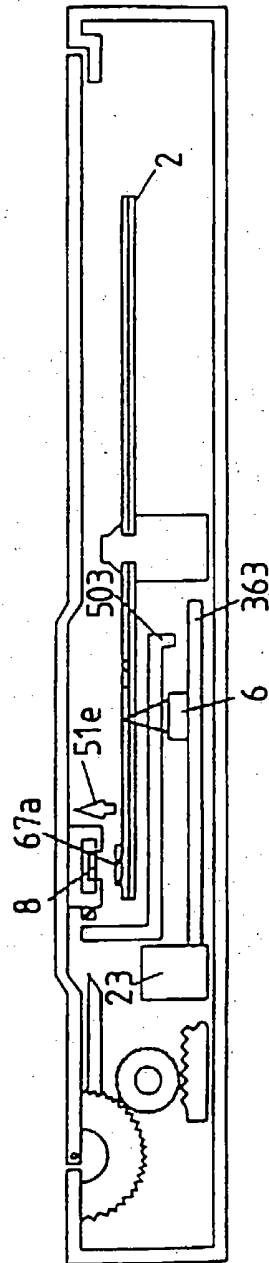


FIG. 183(e)

FIG. 184(a)

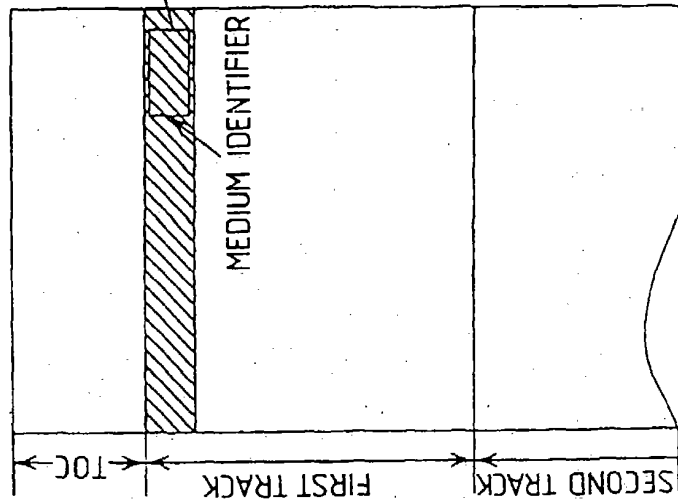


FIG. 184(b)

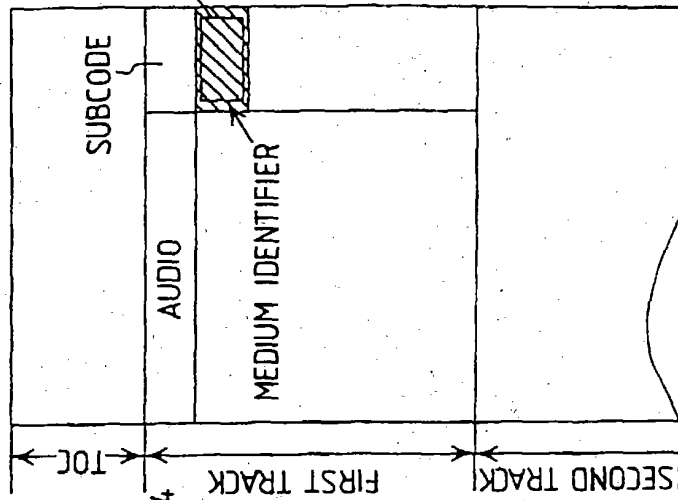
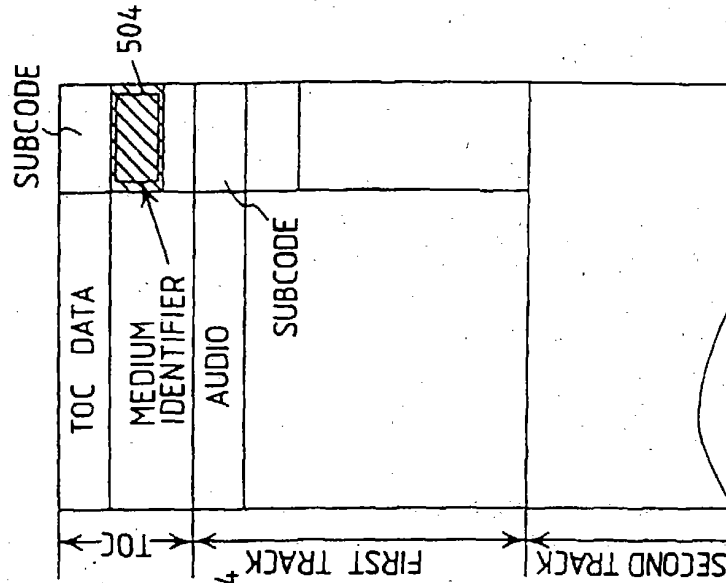
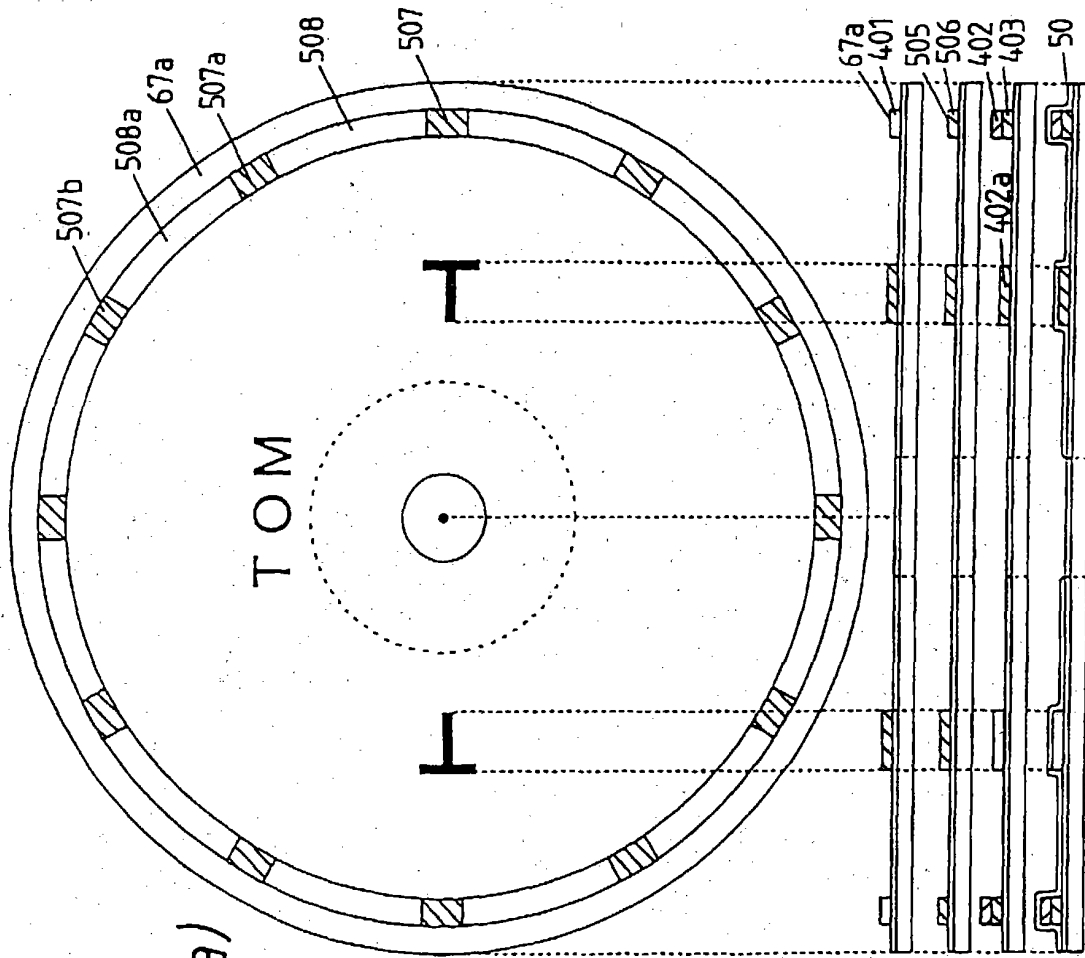


FIG. 184(c)





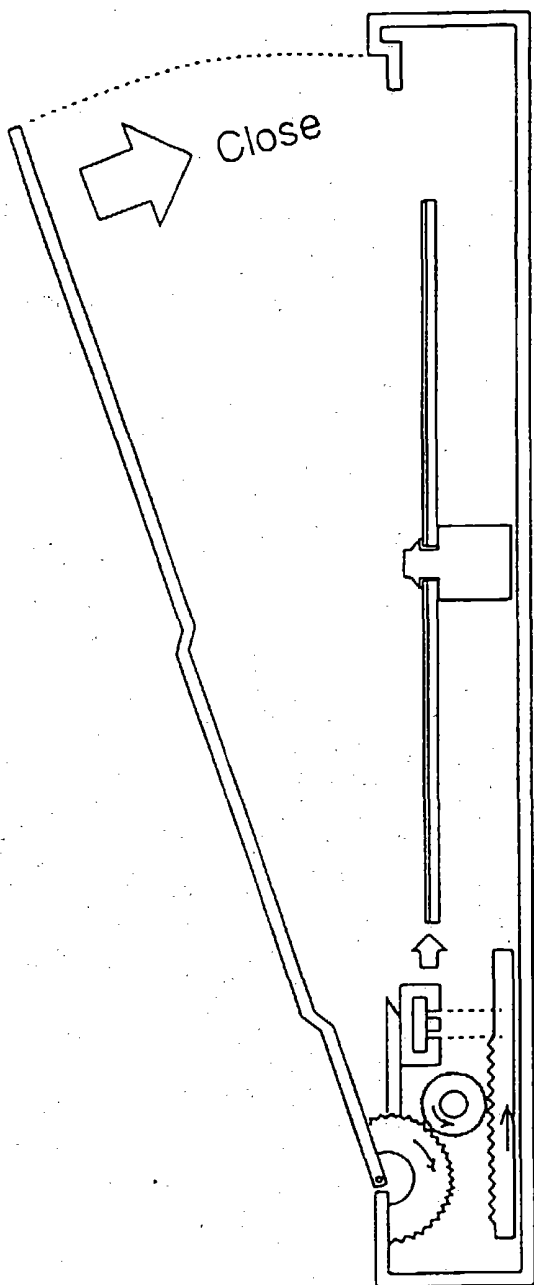


FIG. 186(a)

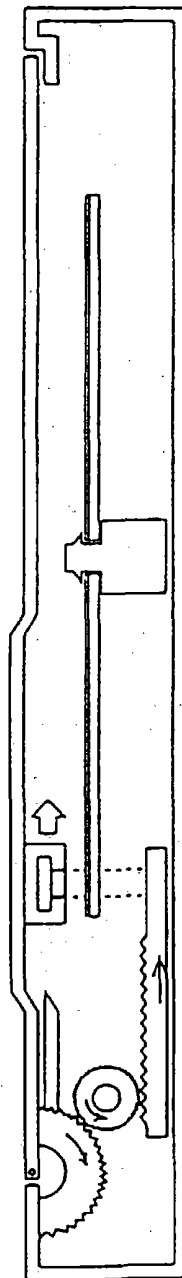


FIG. 186(b)

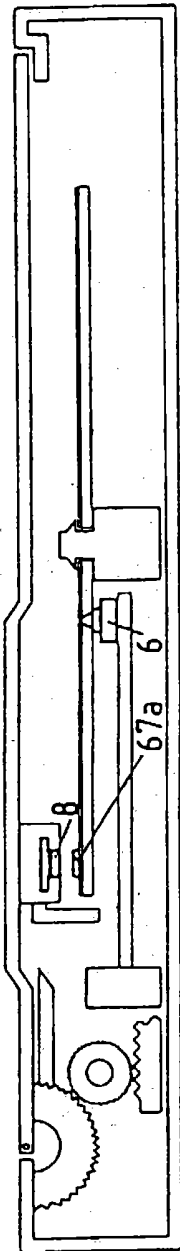


FIG. 186(c)

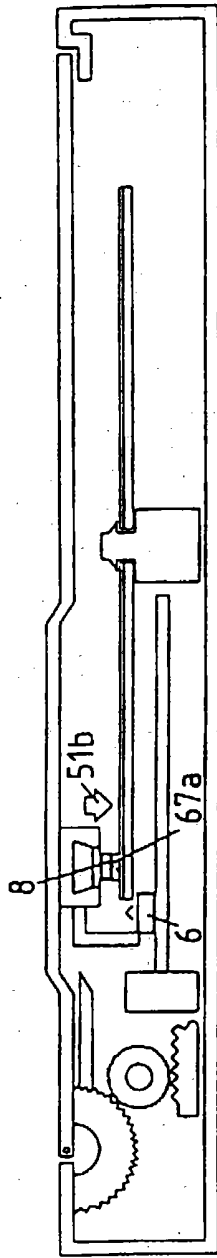


FIG. 186(d)

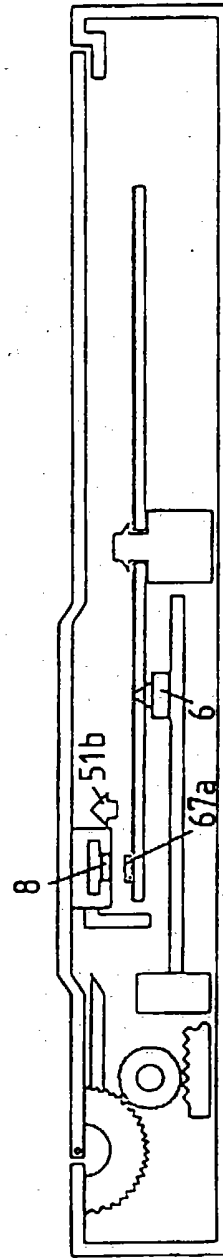


FIG. 186(e)

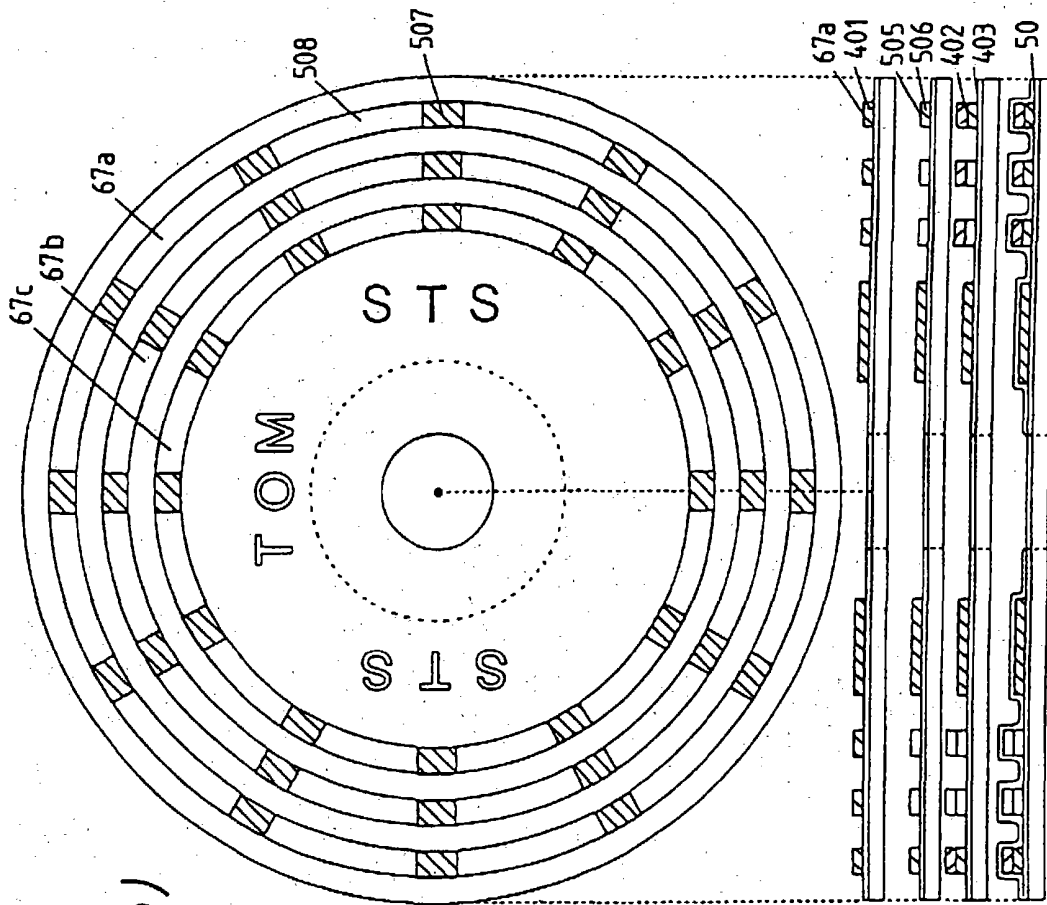
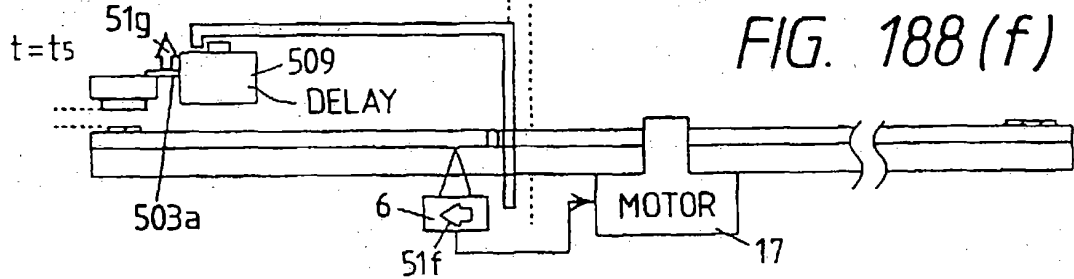
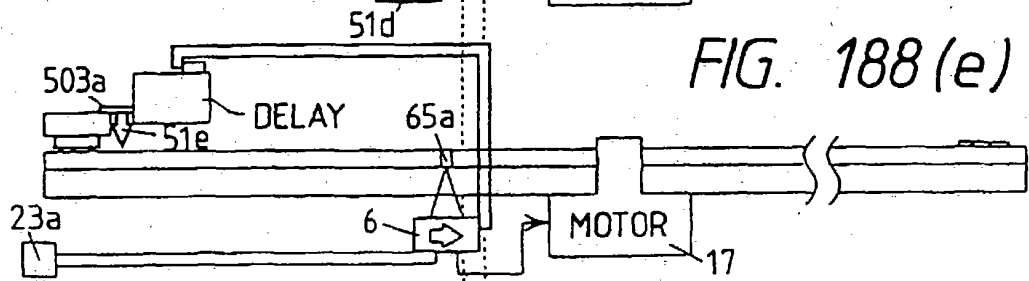
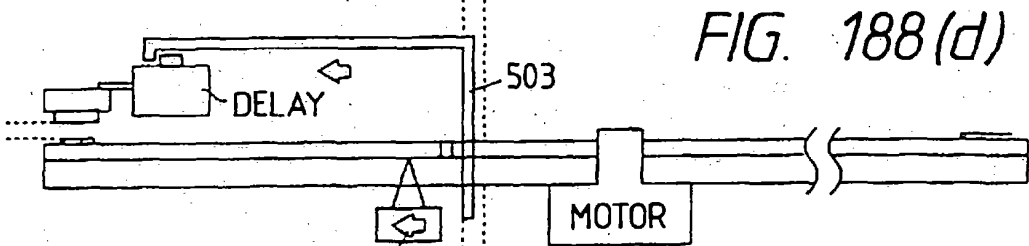
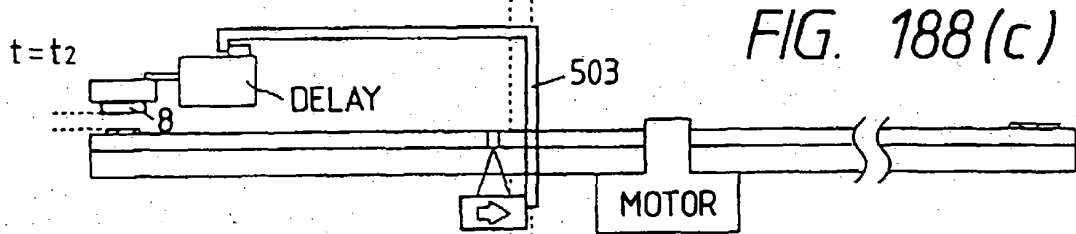
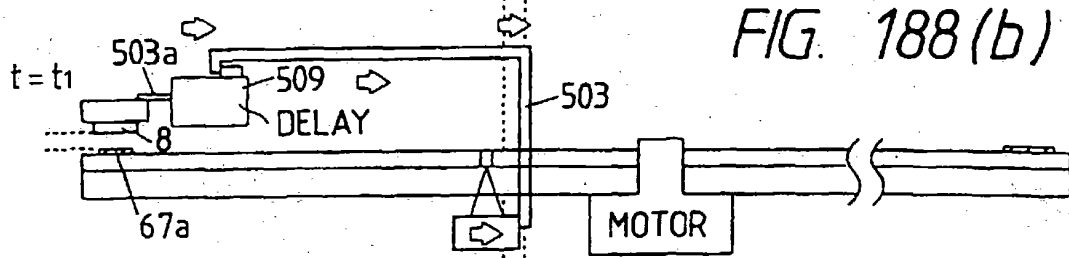
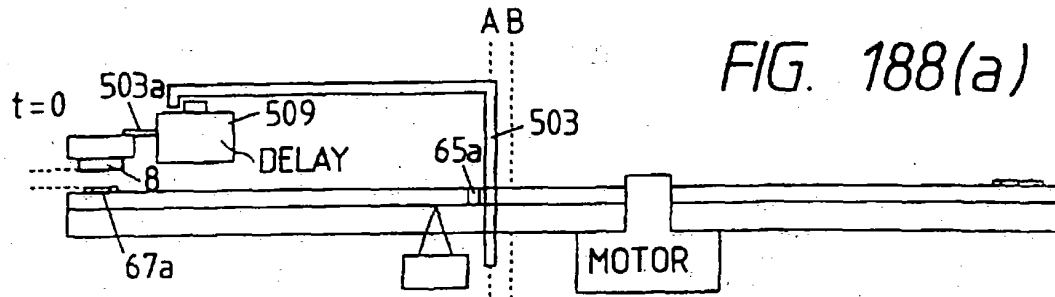


FIG. 187(a)

FIG. 187(b)  
FIG. 187(c)  
FIG. 187(d)  
FIG. 187(e)



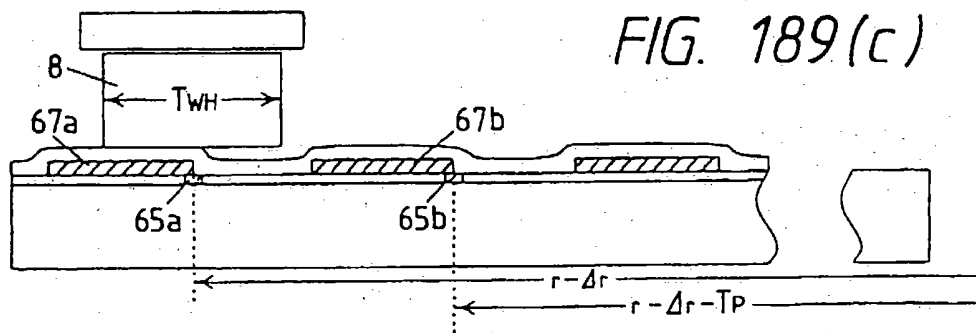
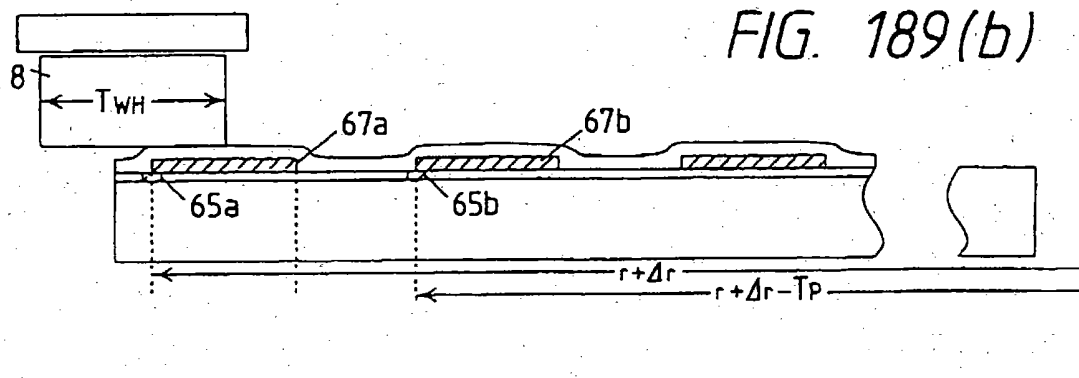
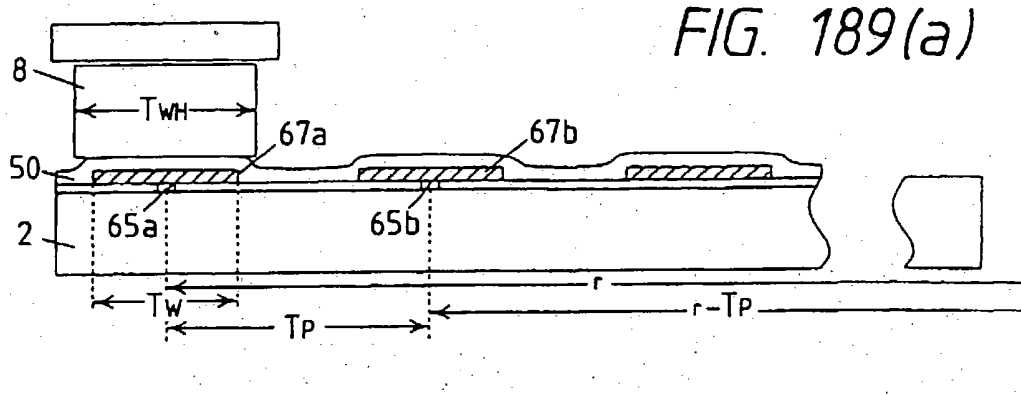


FIG. 189(d)

$$r - \Delta r - T_{WH}/2 > r + \Delta r + T_{WH}/2 - T_P$$

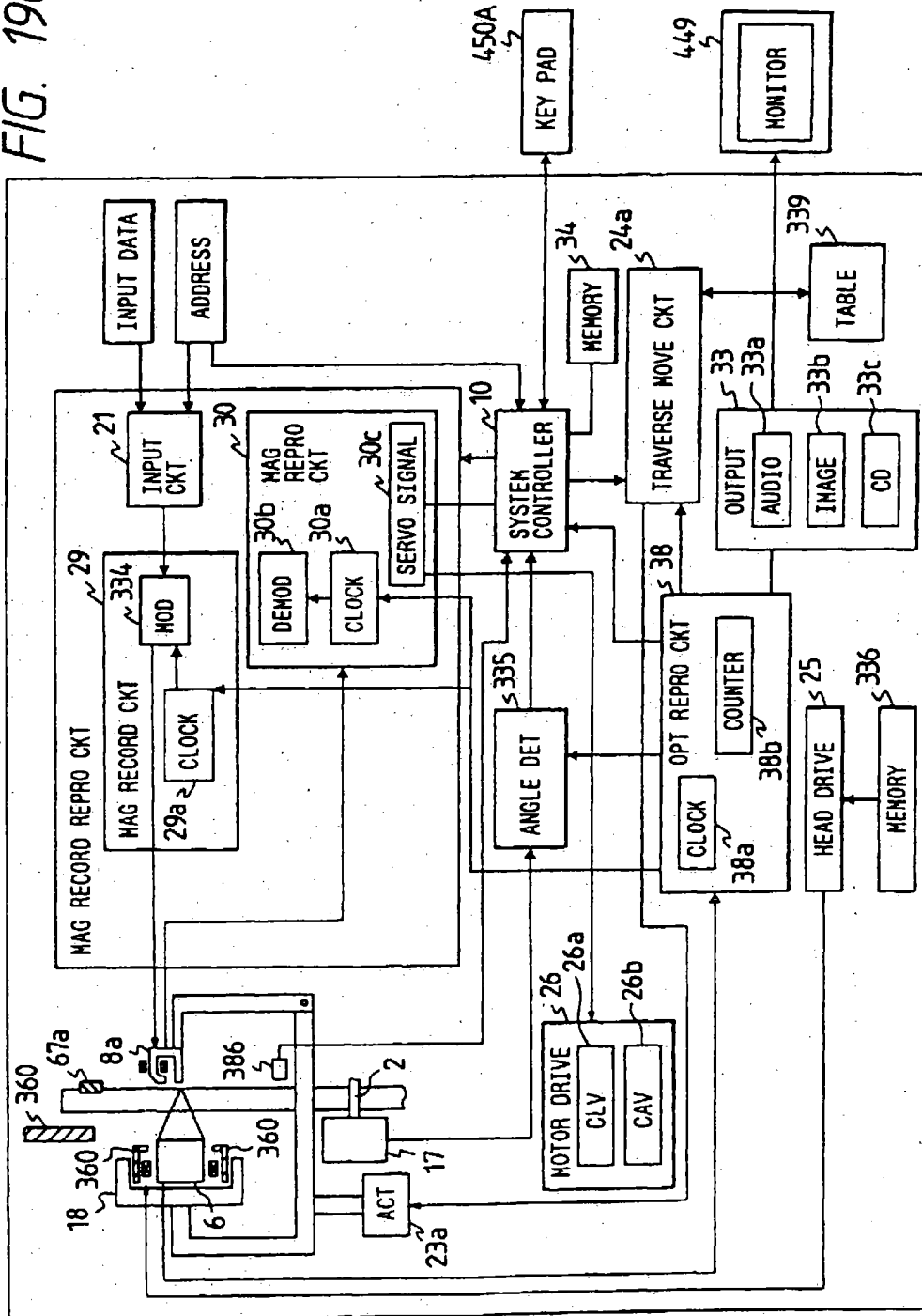
$$T_P > 2\Delta r + T_{WH}$$

$$(CD: \Delta r = 0.2 \text{ mm})$$

$$T_P > 0.4 \text{ mm}$$



FIG. 190



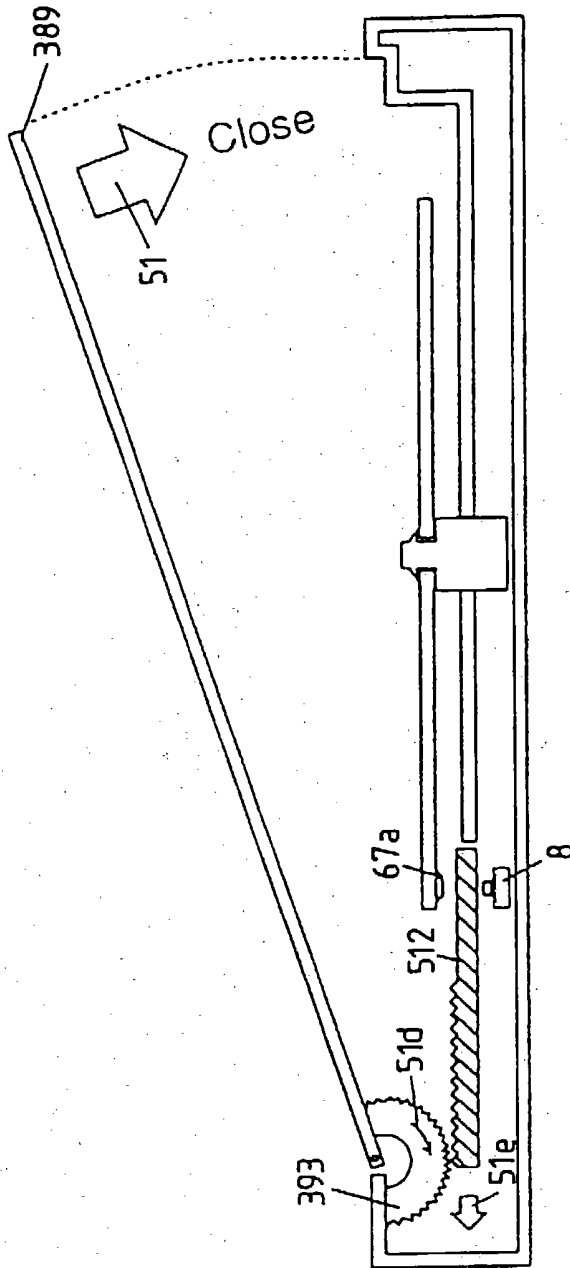


FIG. 191(a)

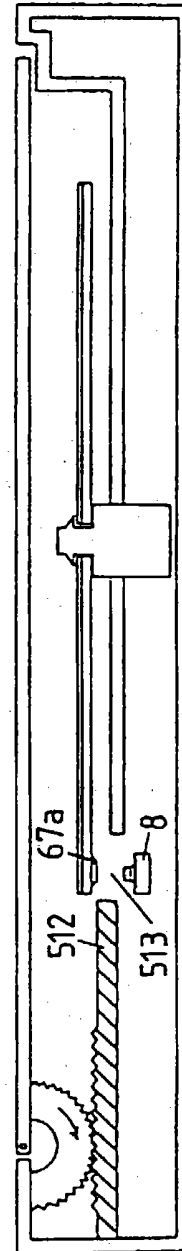


FIG. 191(b)

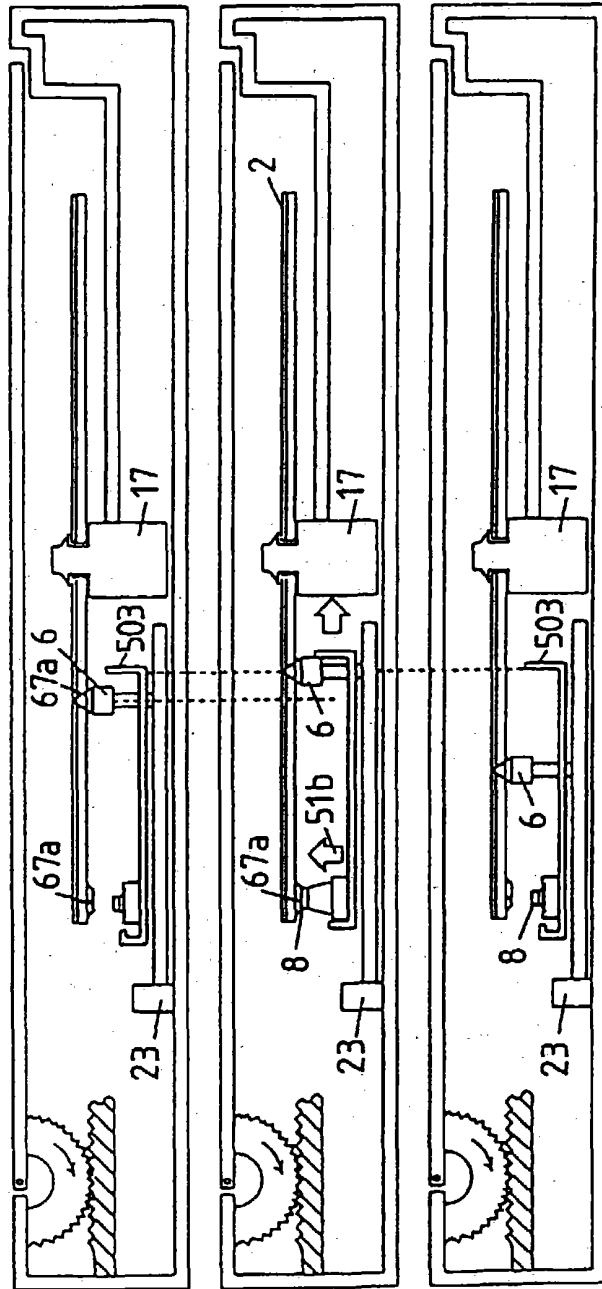


FIG. 191(c)

FIG. 191(d)

FIG. 191(e)

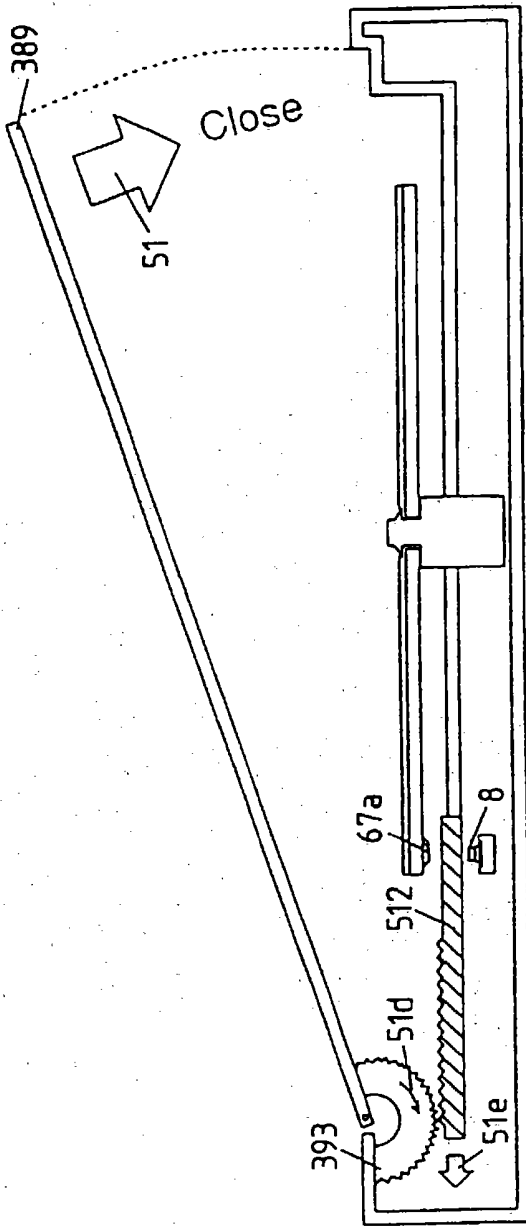


FIG. 192(a)

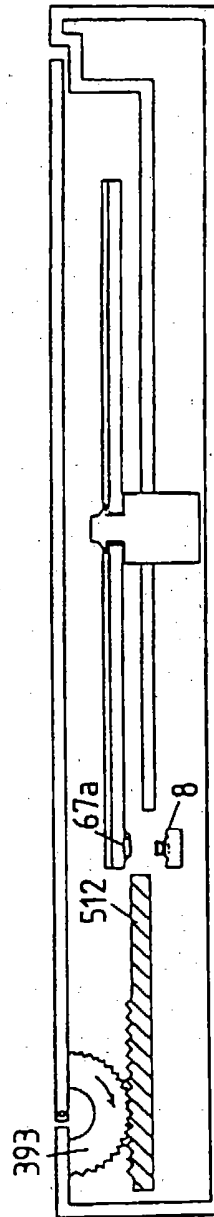


FIG. 192(b)

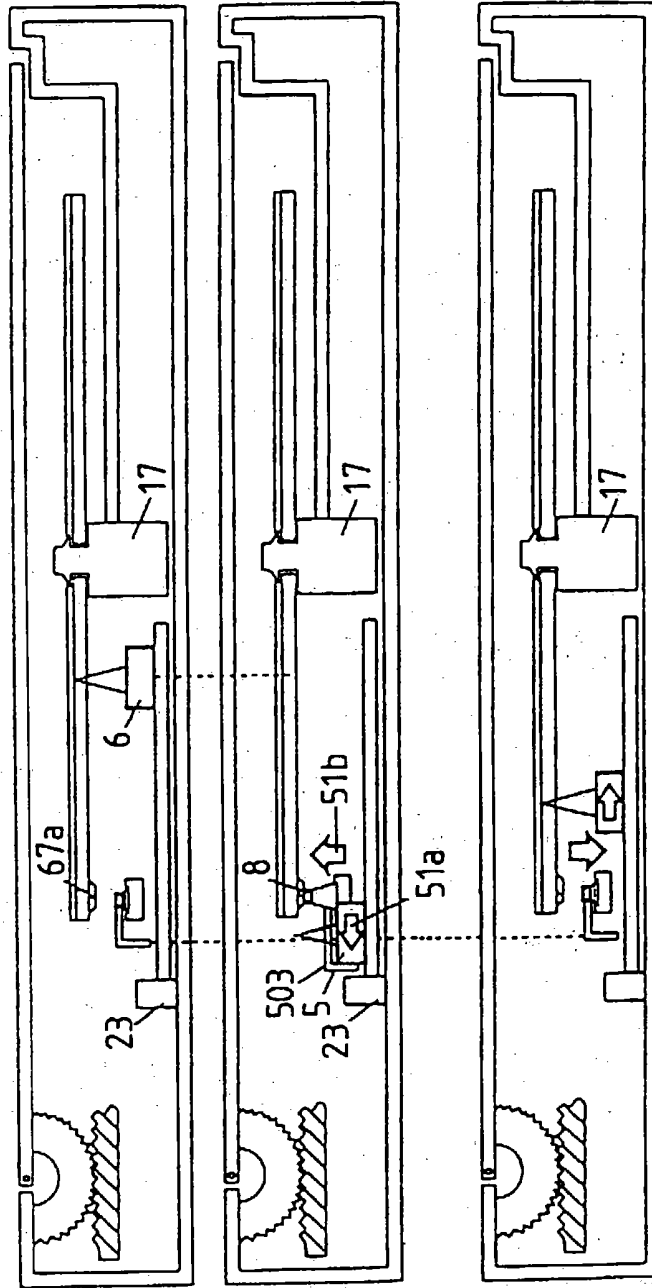


FIG. 192(c)

FIG. 192(d)

FIG. 192(e)

FIG. 193(a)

OPEN

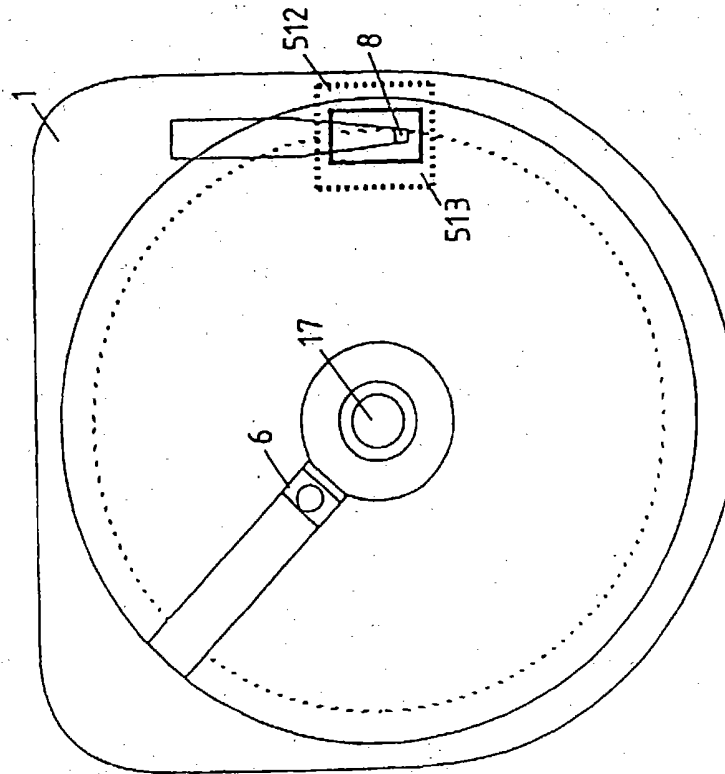
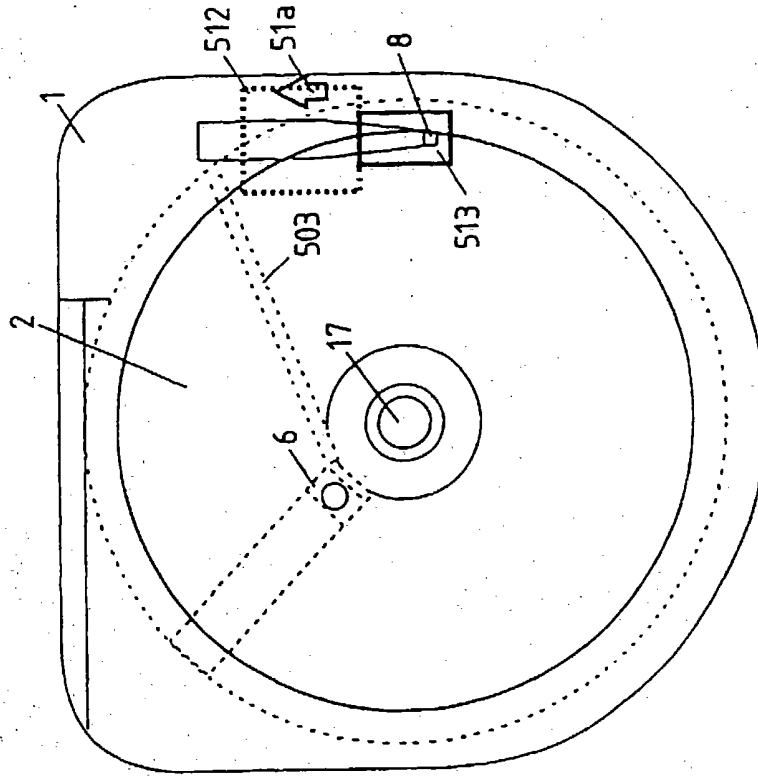
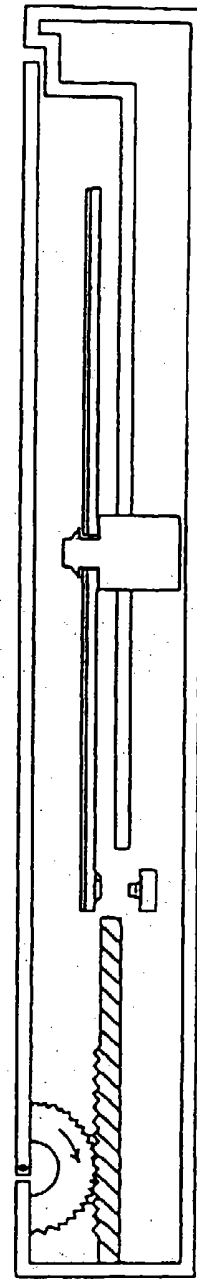
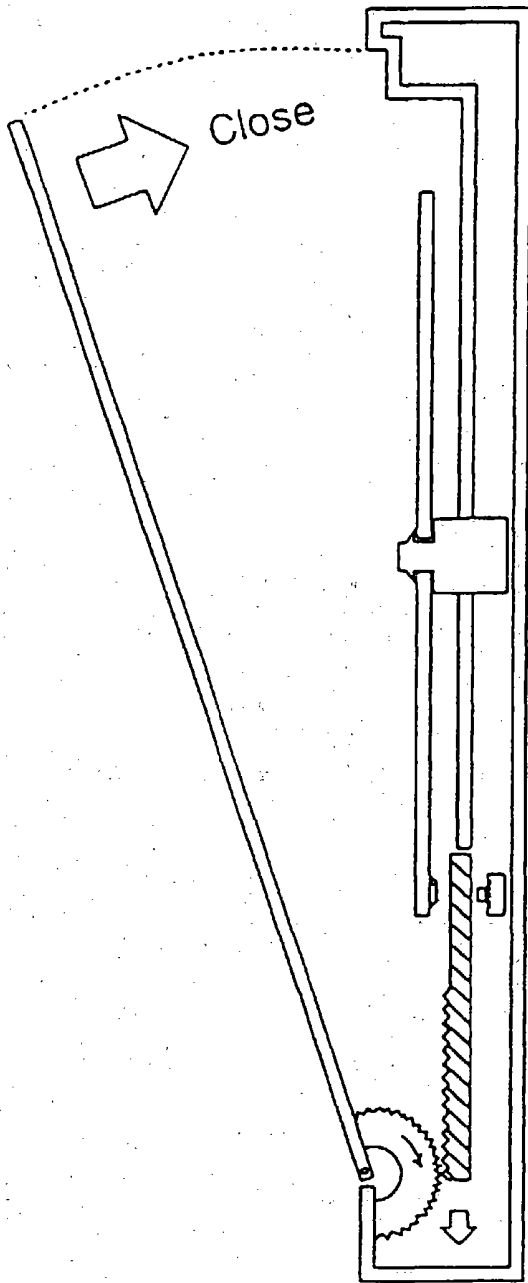


FIG. 193(b)

CLOSE





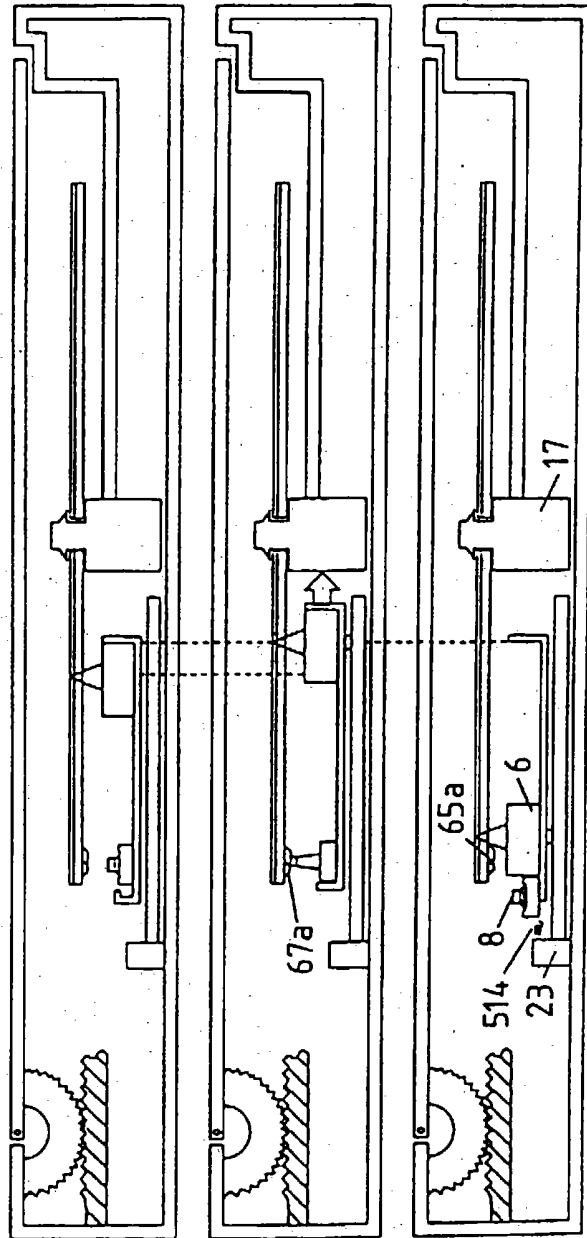


FIG. 194(c)

FIG. 194(d)

FIG. 194(e)



FIG. 195(a)

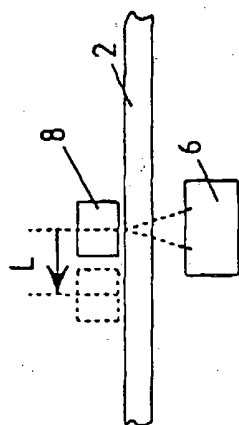
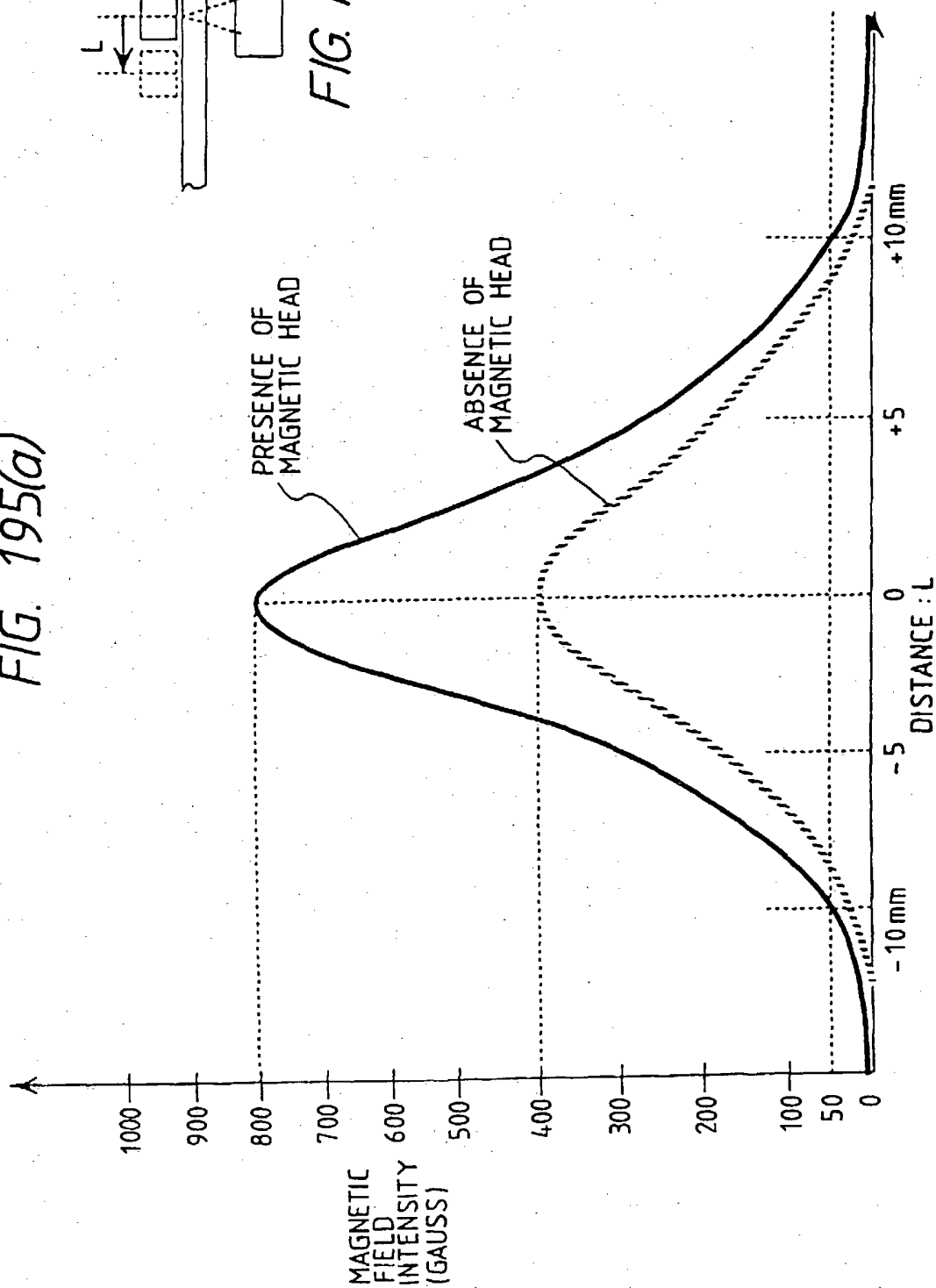


FIG. 195(b)

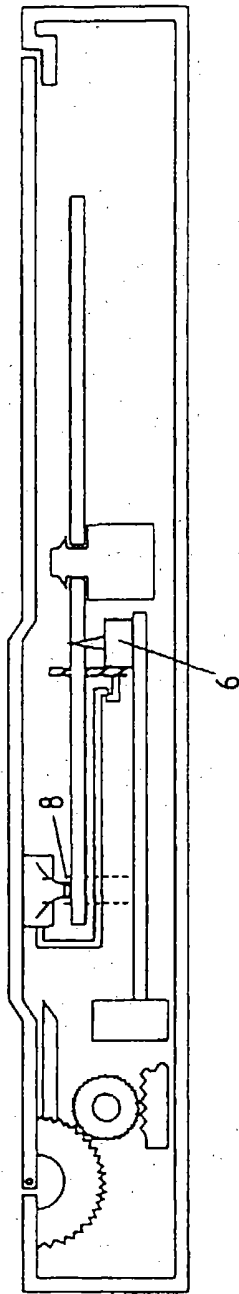


FIG. 196(a)

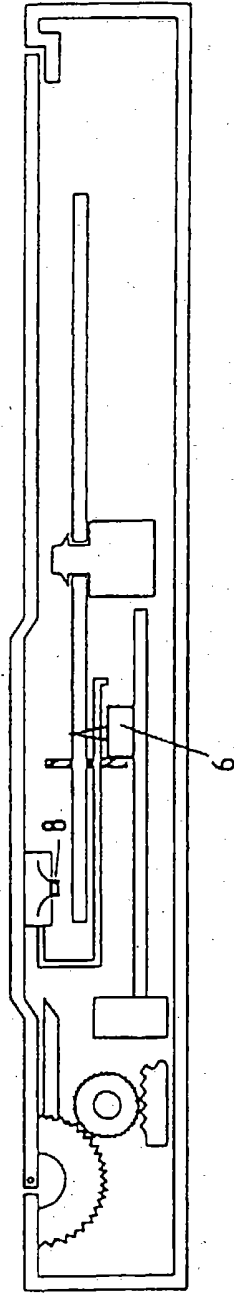


FIG. 196(b)

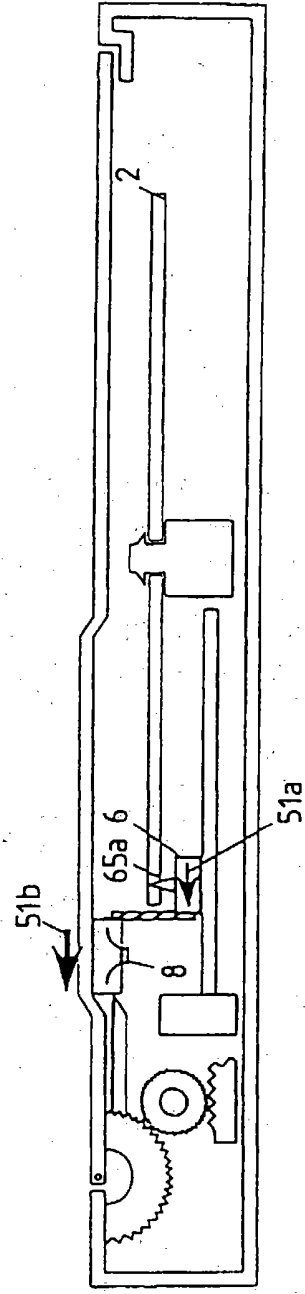
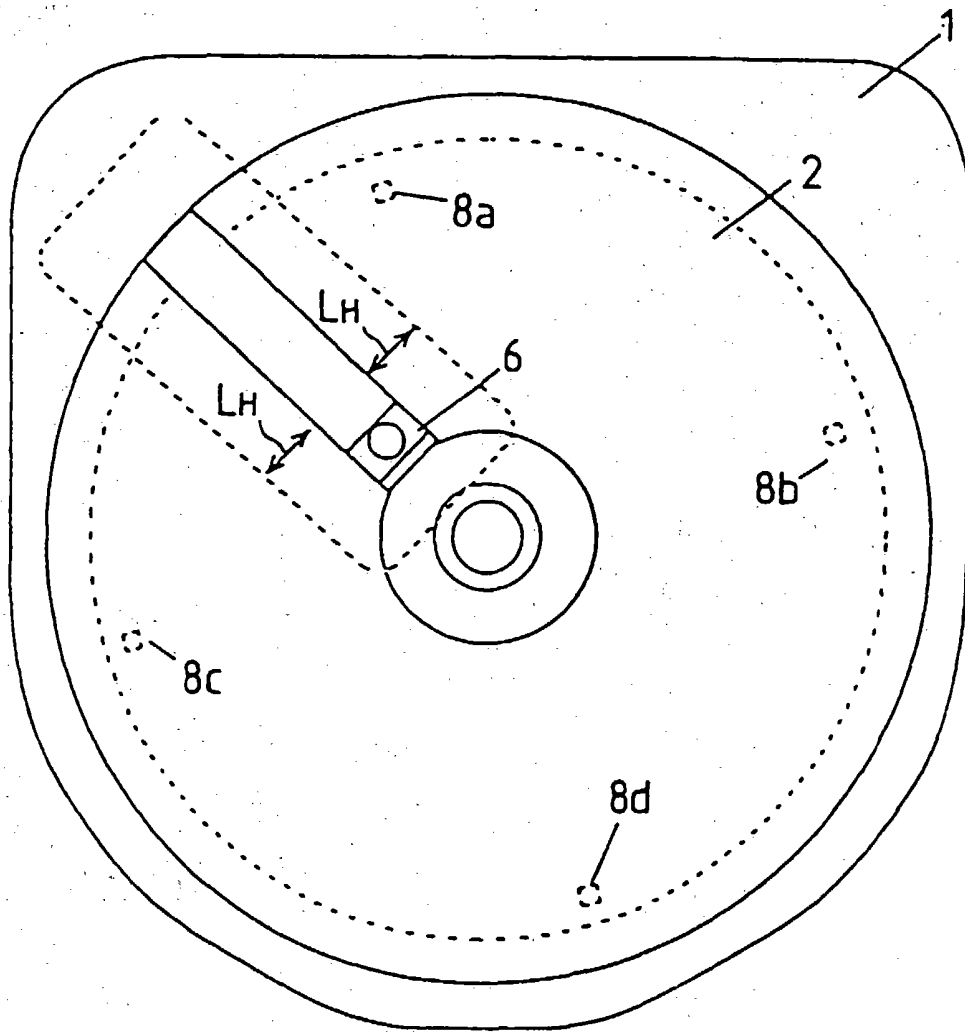


FIG. 196(c)

FIG. 197



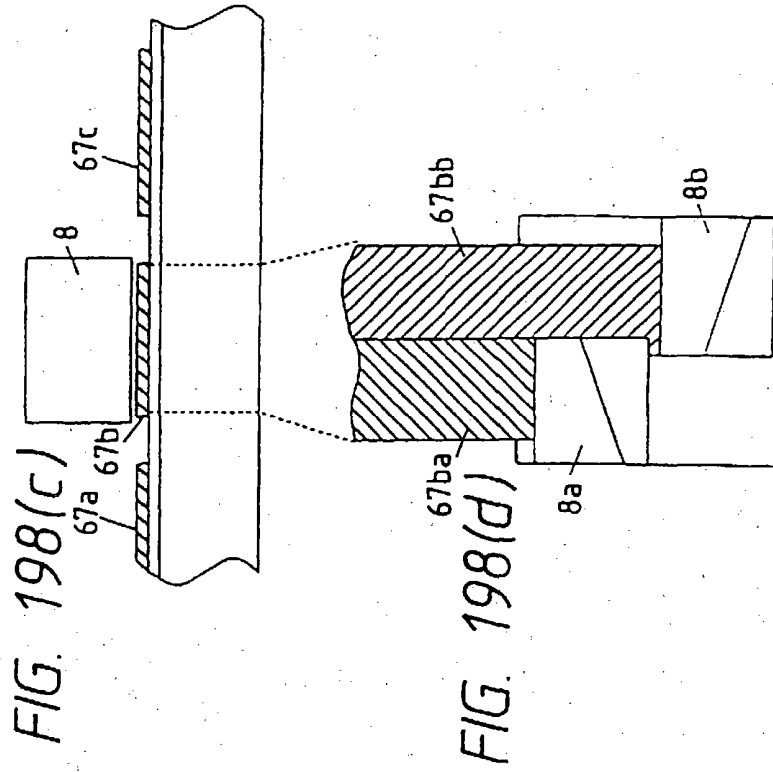
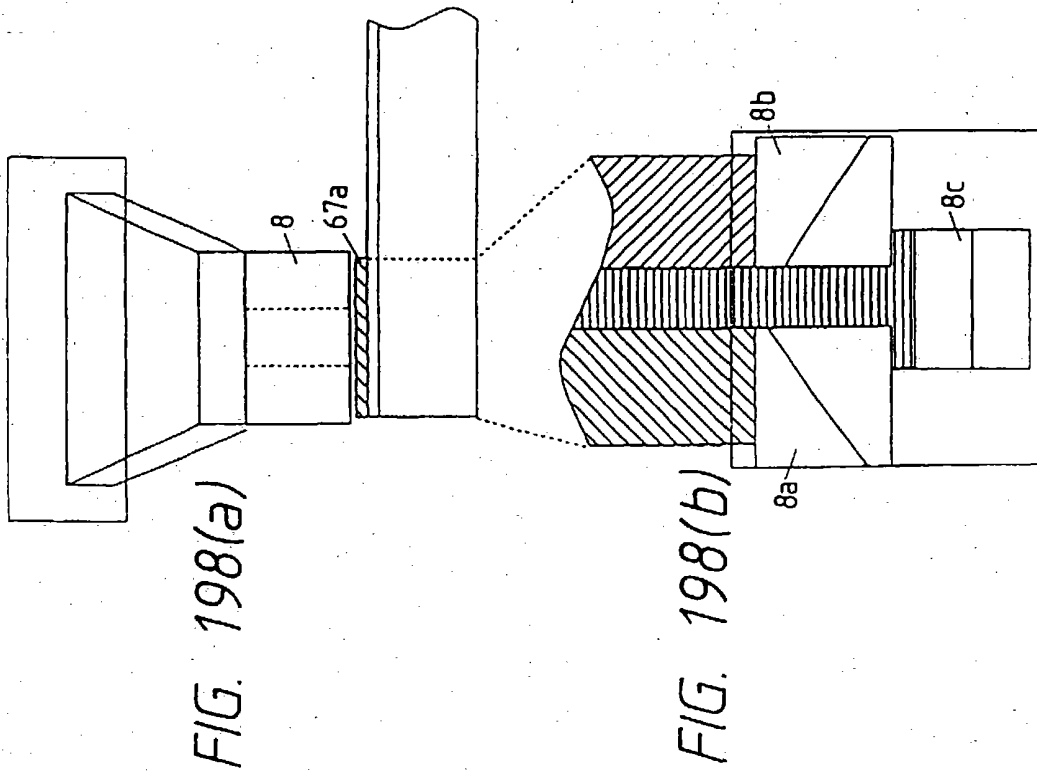


FIG. 199(a)

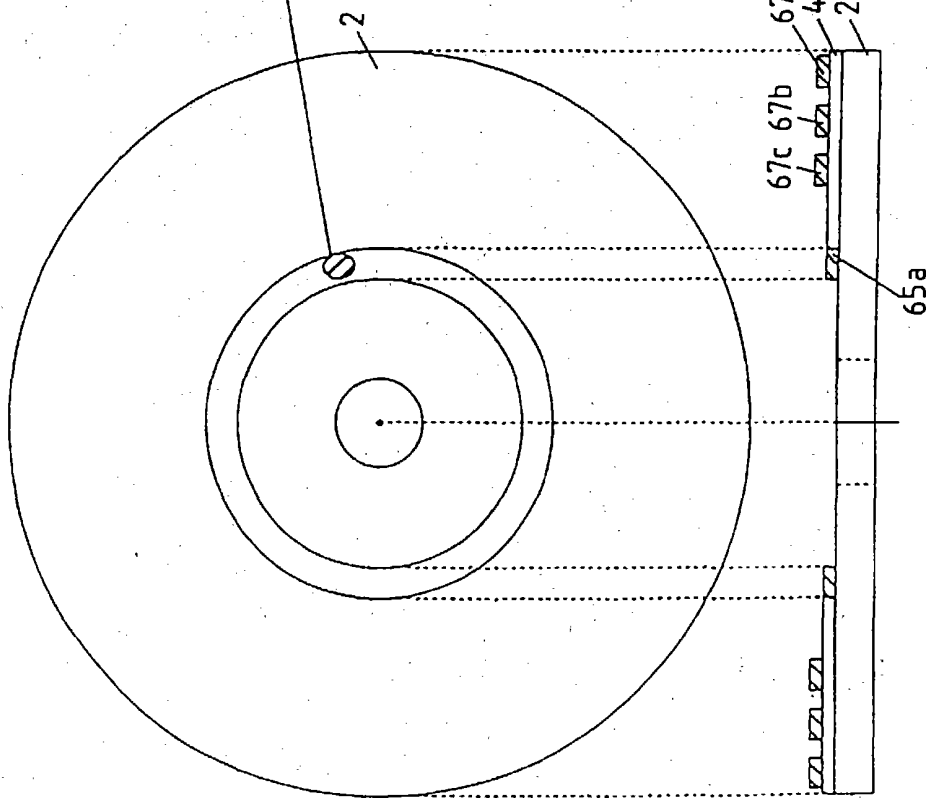


FIG. 199(b)

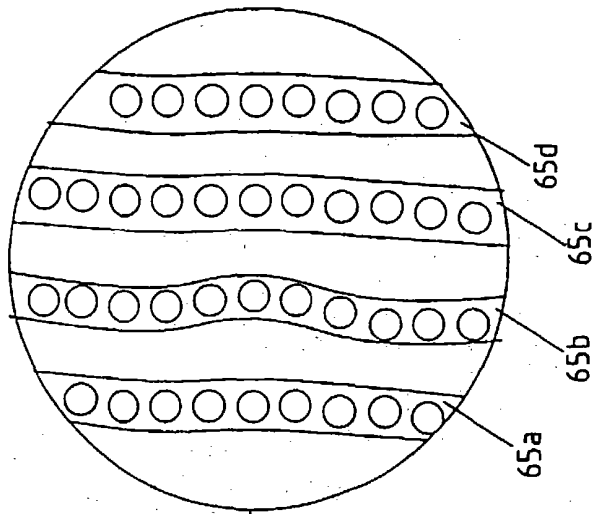


FIG. 199(c)

FIG. 200

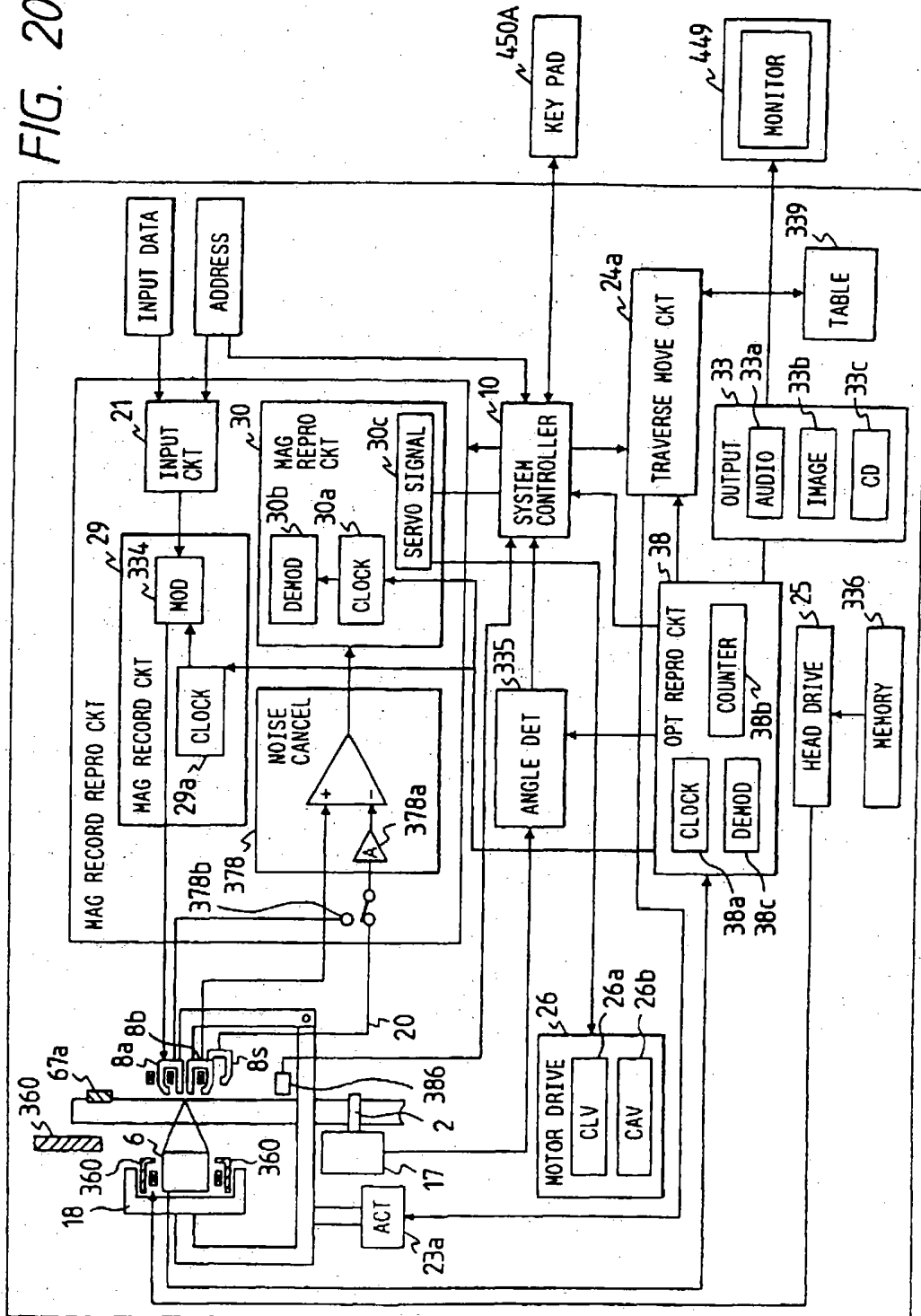


FIG. 201(a)

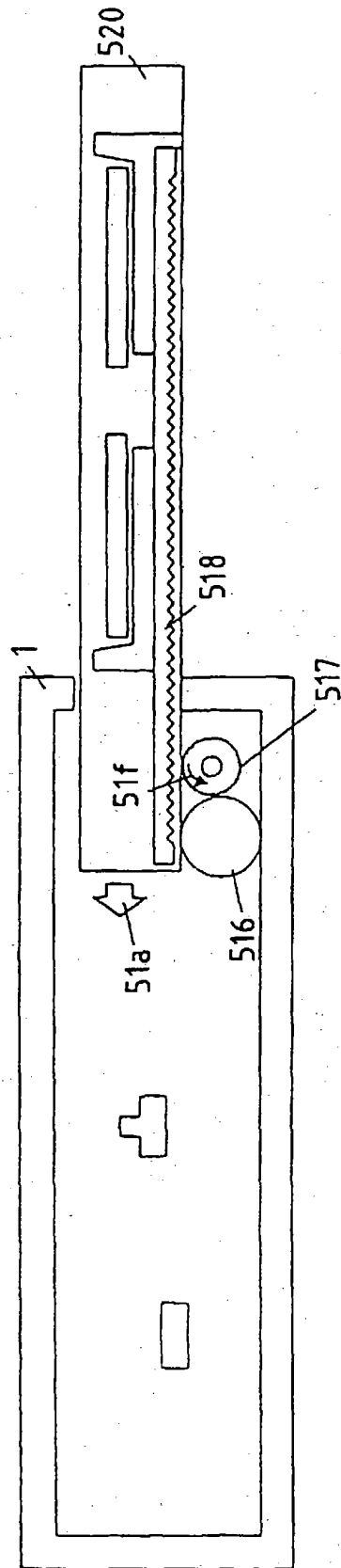
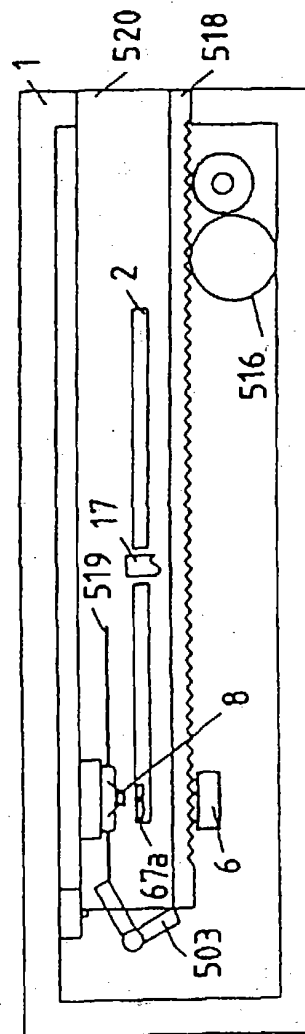


FIG. 201(b)



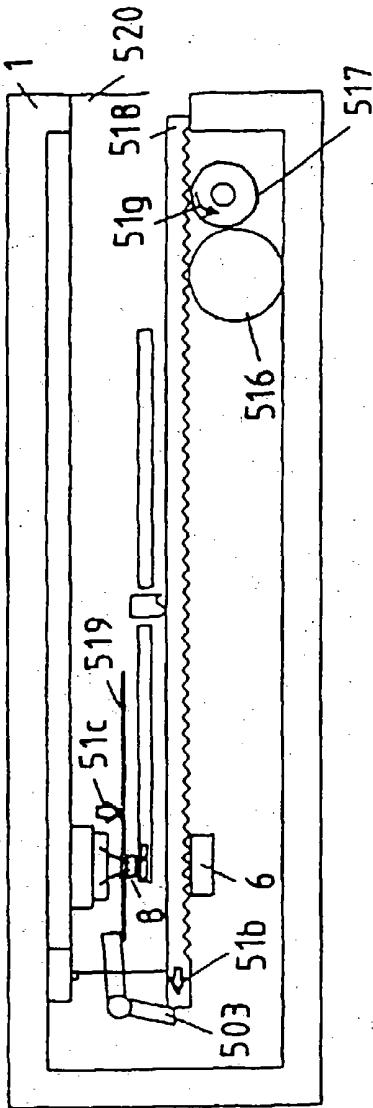


FIG. 201(c)

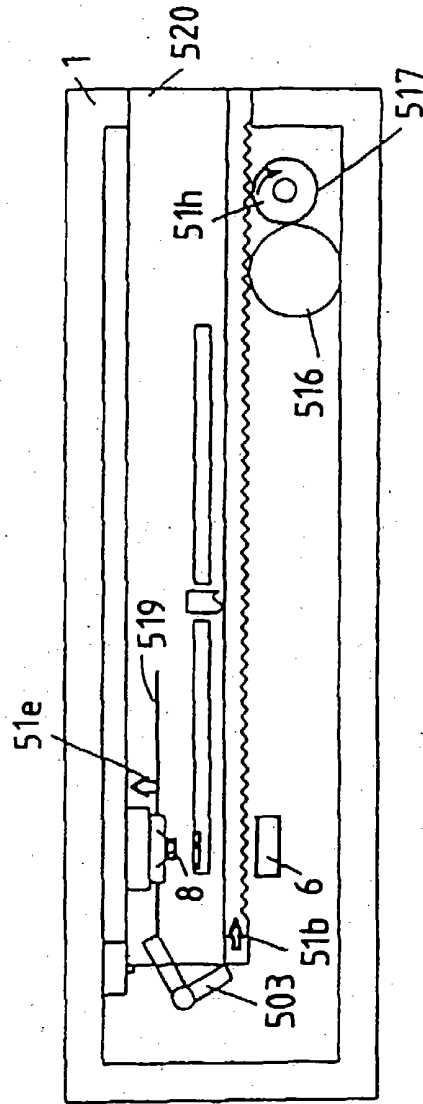
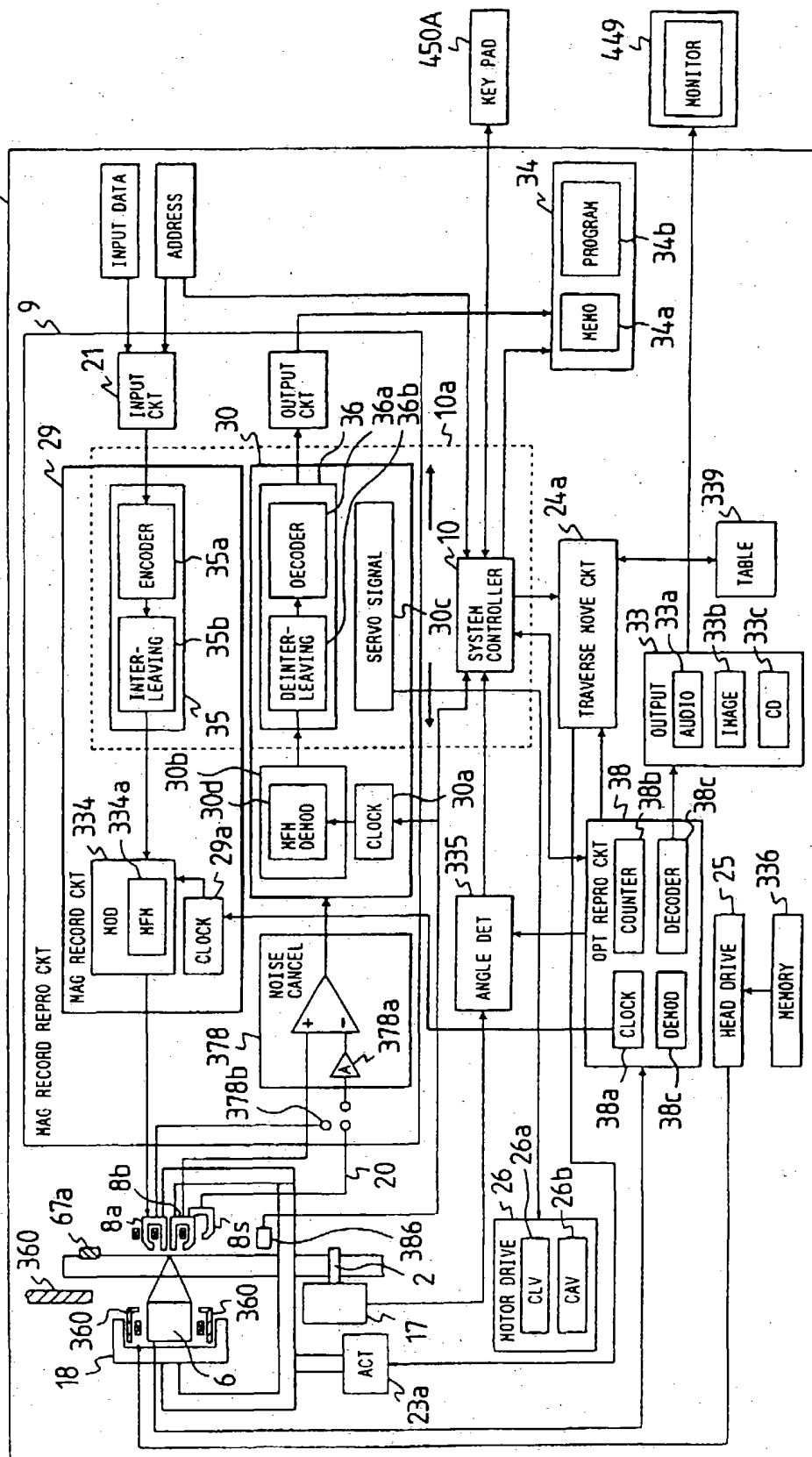


FIG. 201(d)



FIG. 202



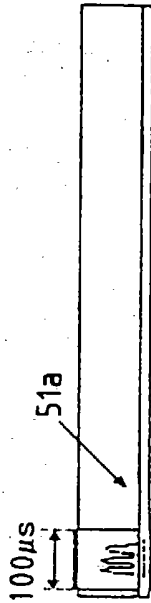


FIG. 203(a)

DATA SETUP SEGMENT

TIME BASE : 0.2µs  
 SAMPLES : 10<sup>6</sup>  
 SCAN POS : 10.0µs  
 CURSOR T : 59.0µs  
 CURSOR Δ : 11.6µs

ANALYSIS : BY CURSOR  
 AVERAGING : OFF

ACT SUM : 173400  
 MEAN : 64.77962µs  
 STD DEV : 1.63938µs

MFM  
 500BPL  
 HEAD GAP = 30 MICRON  
 SPACE LOSS = 9 MICRON  
 WAVE LENGTH = 50 MICRON  
 HC = 1900 OE

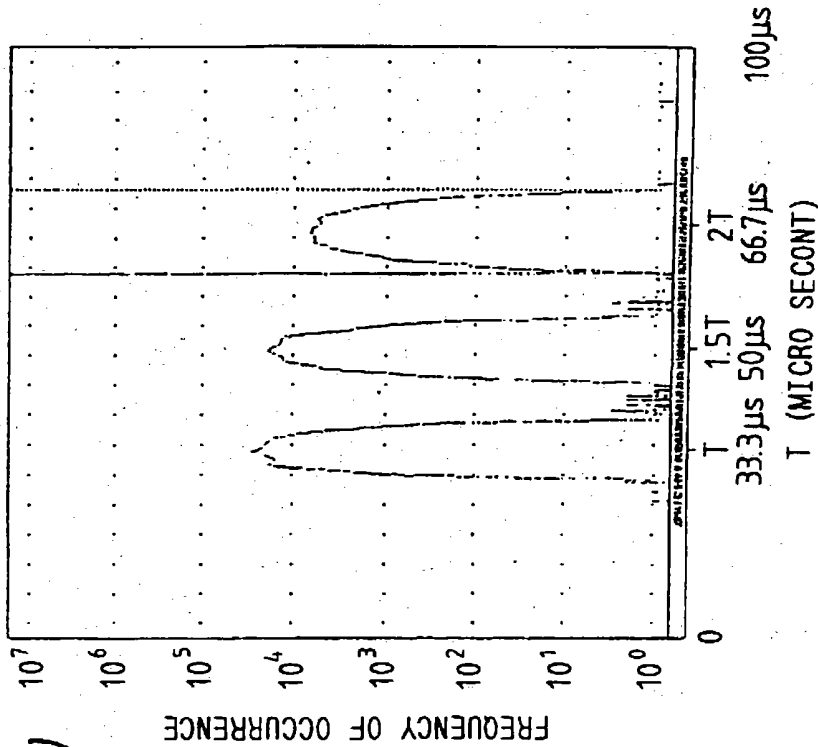


FIG. 203(b)

FIG. 204

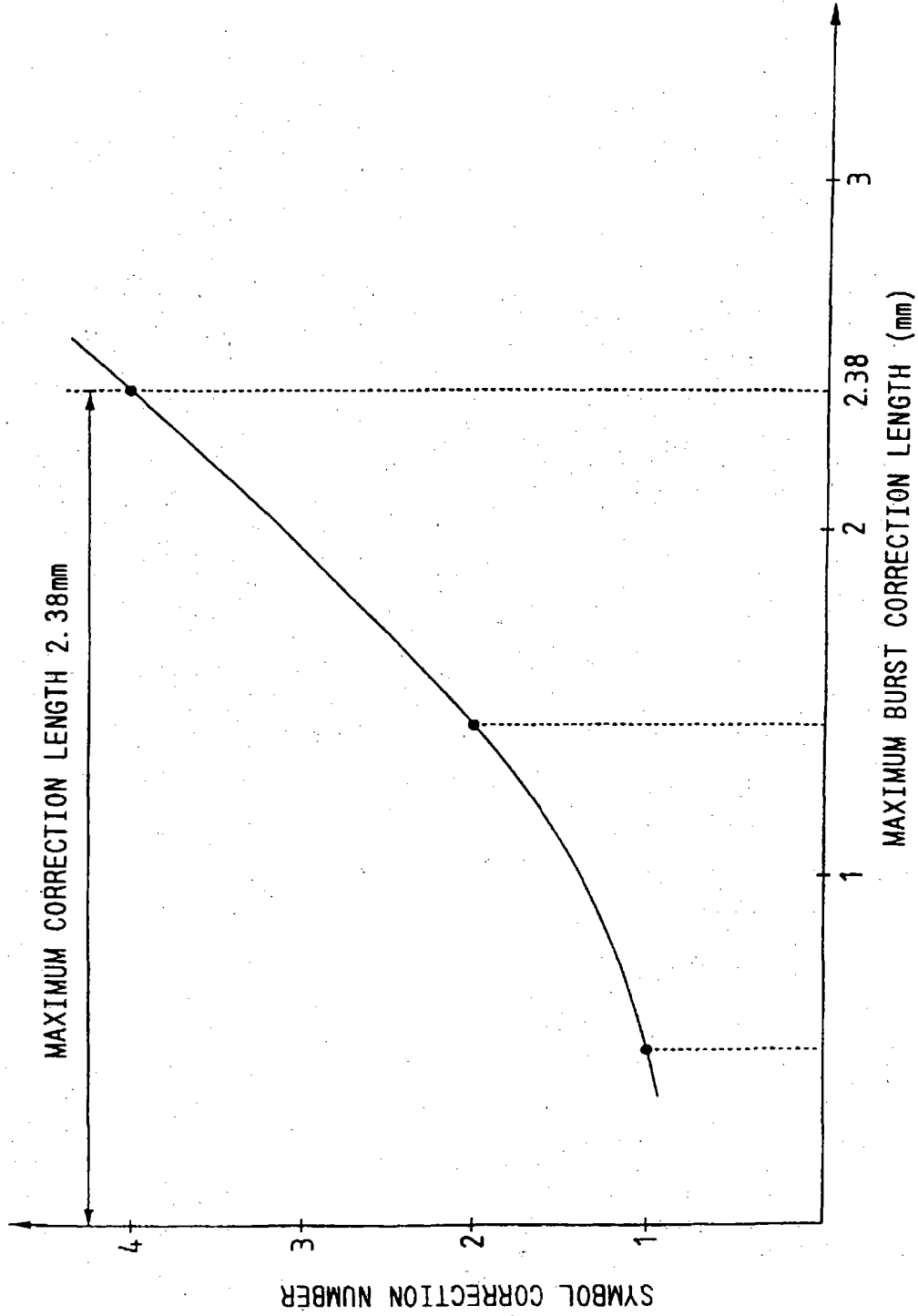


FIG. 205

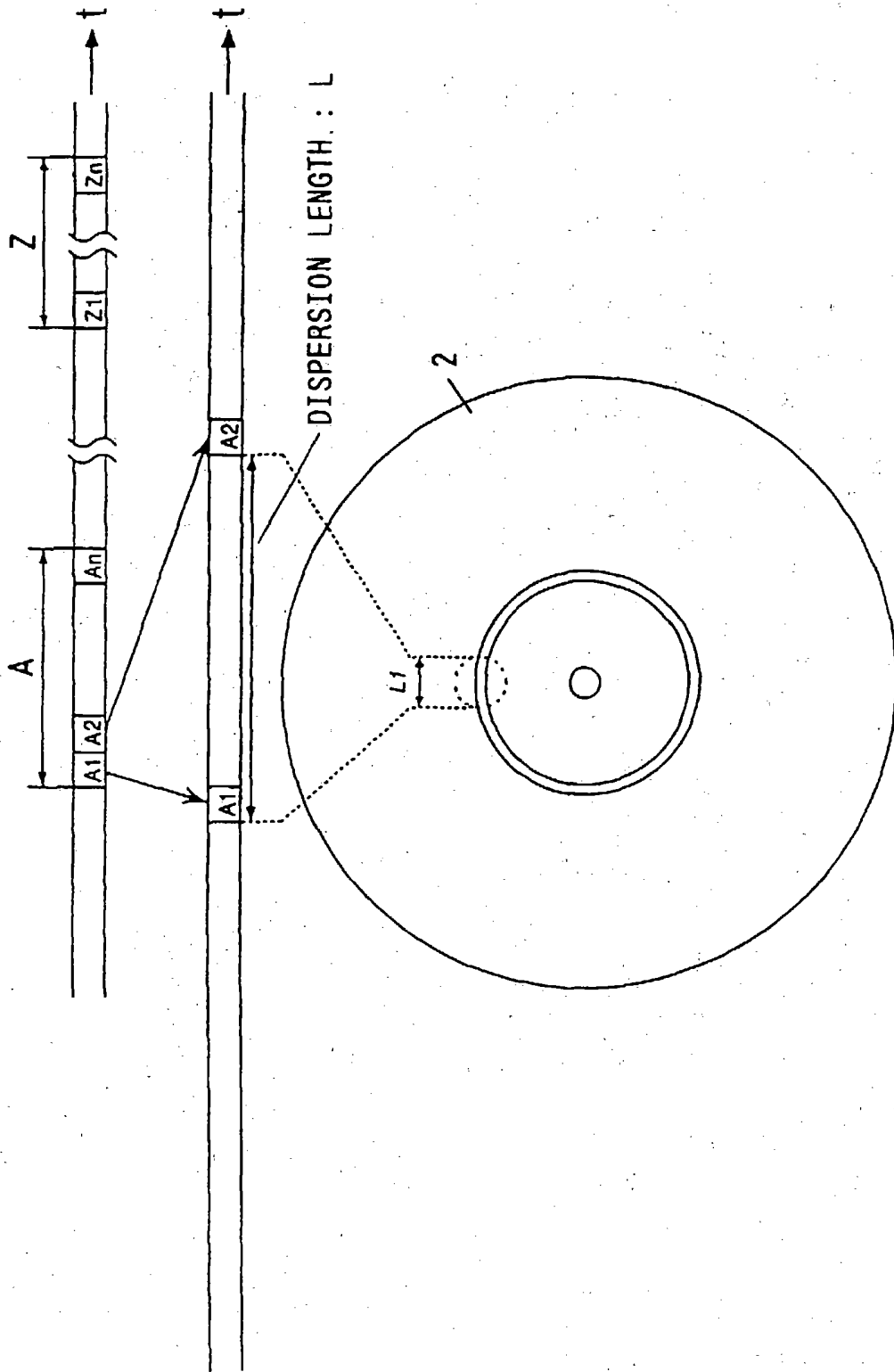


FIG. 206

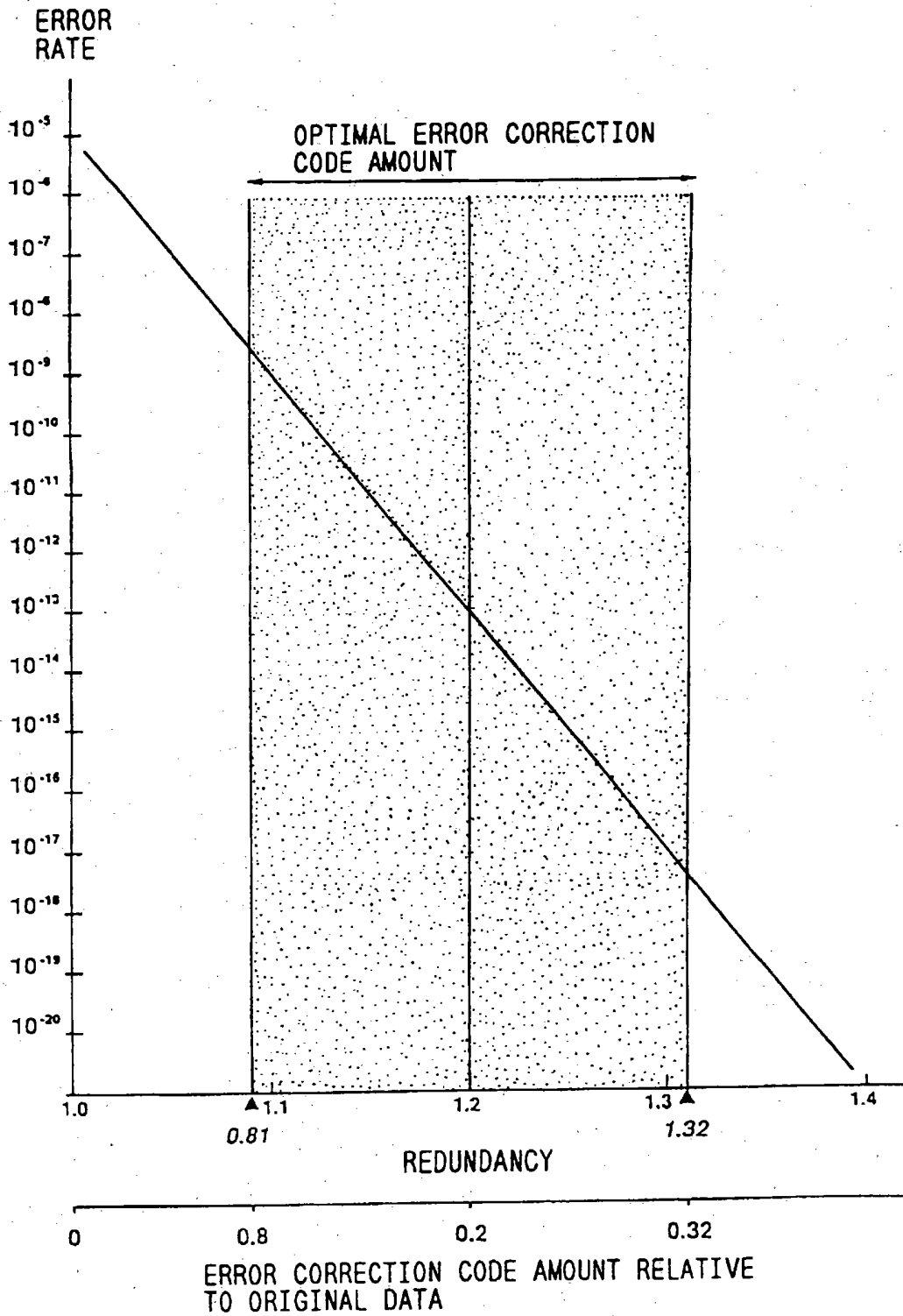


FIG. 207(a)

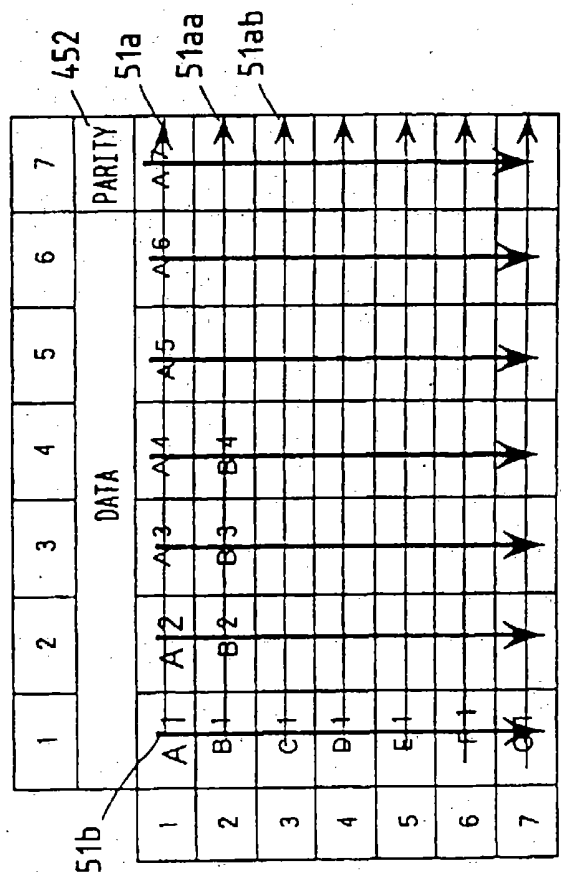


FIG. 207(b)

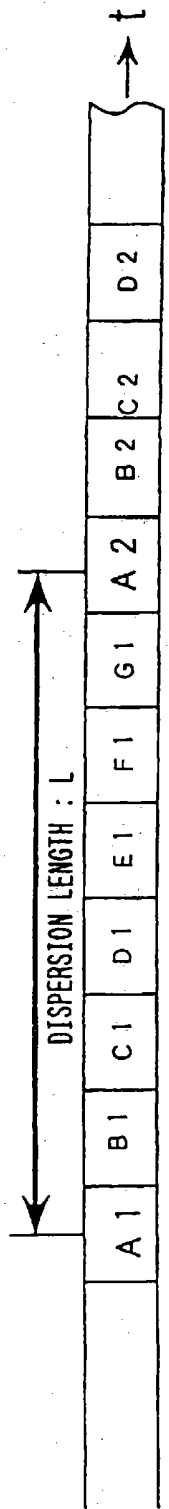


FIG. 208

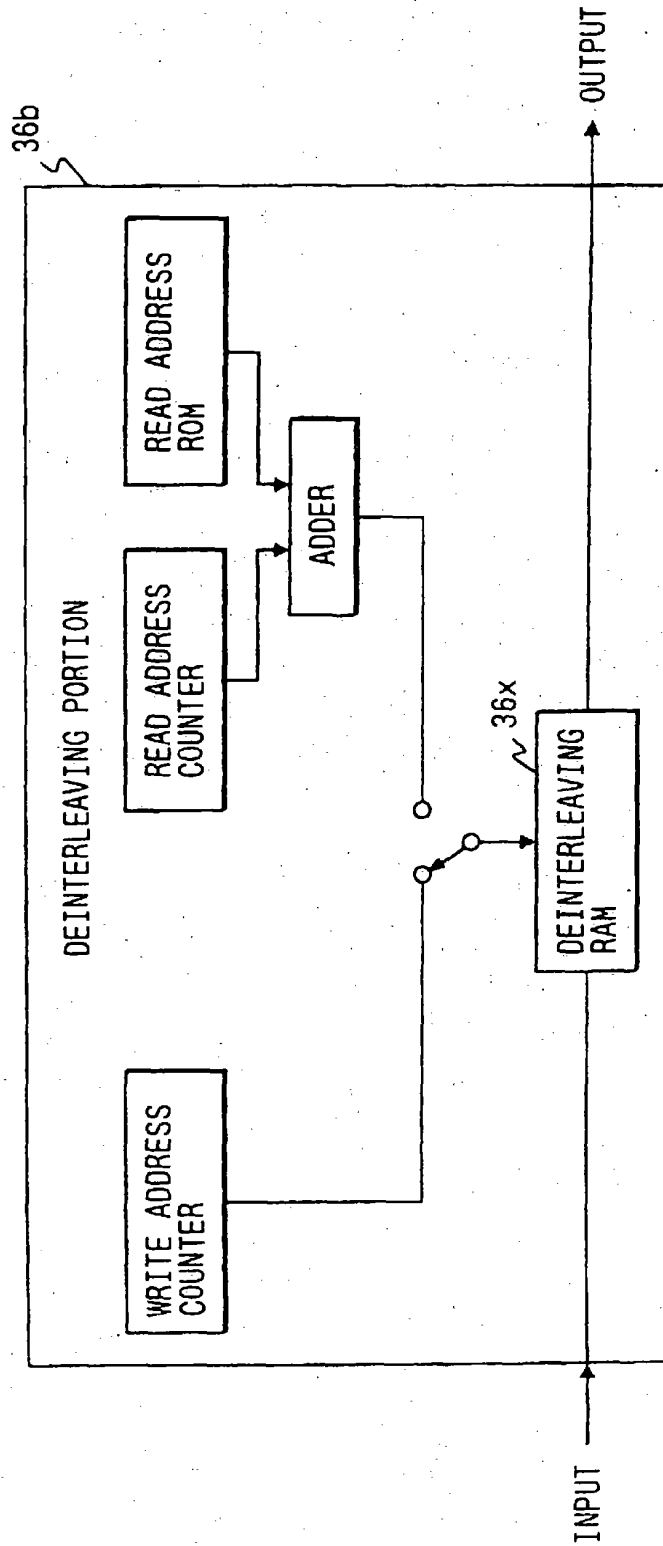


FIG. 209(a)

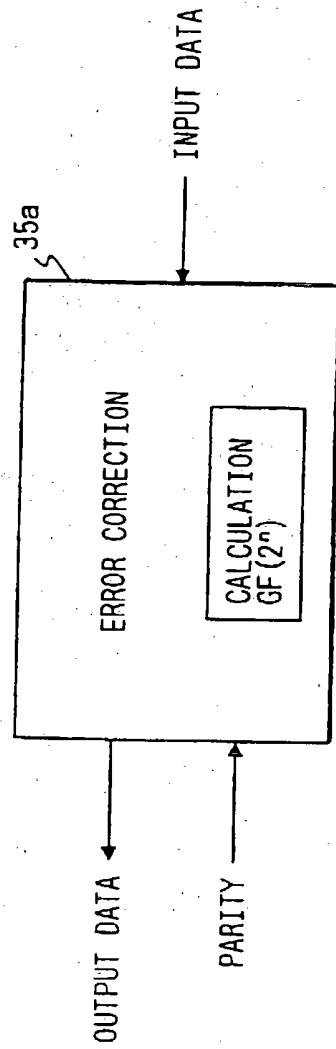


FIG. 209(b)

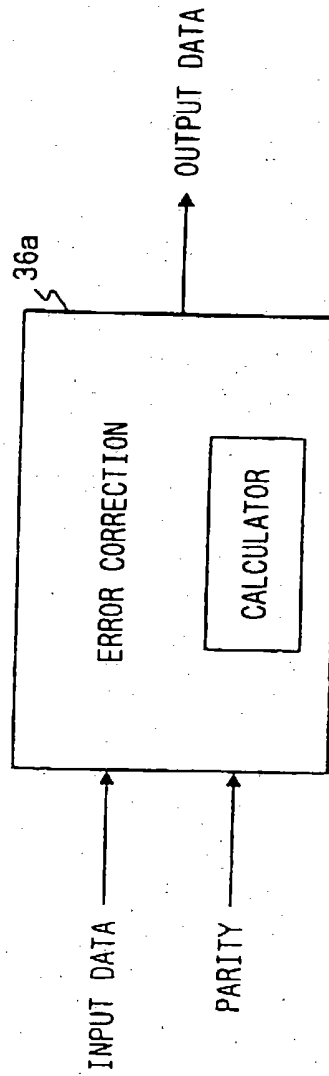




FIG. 210

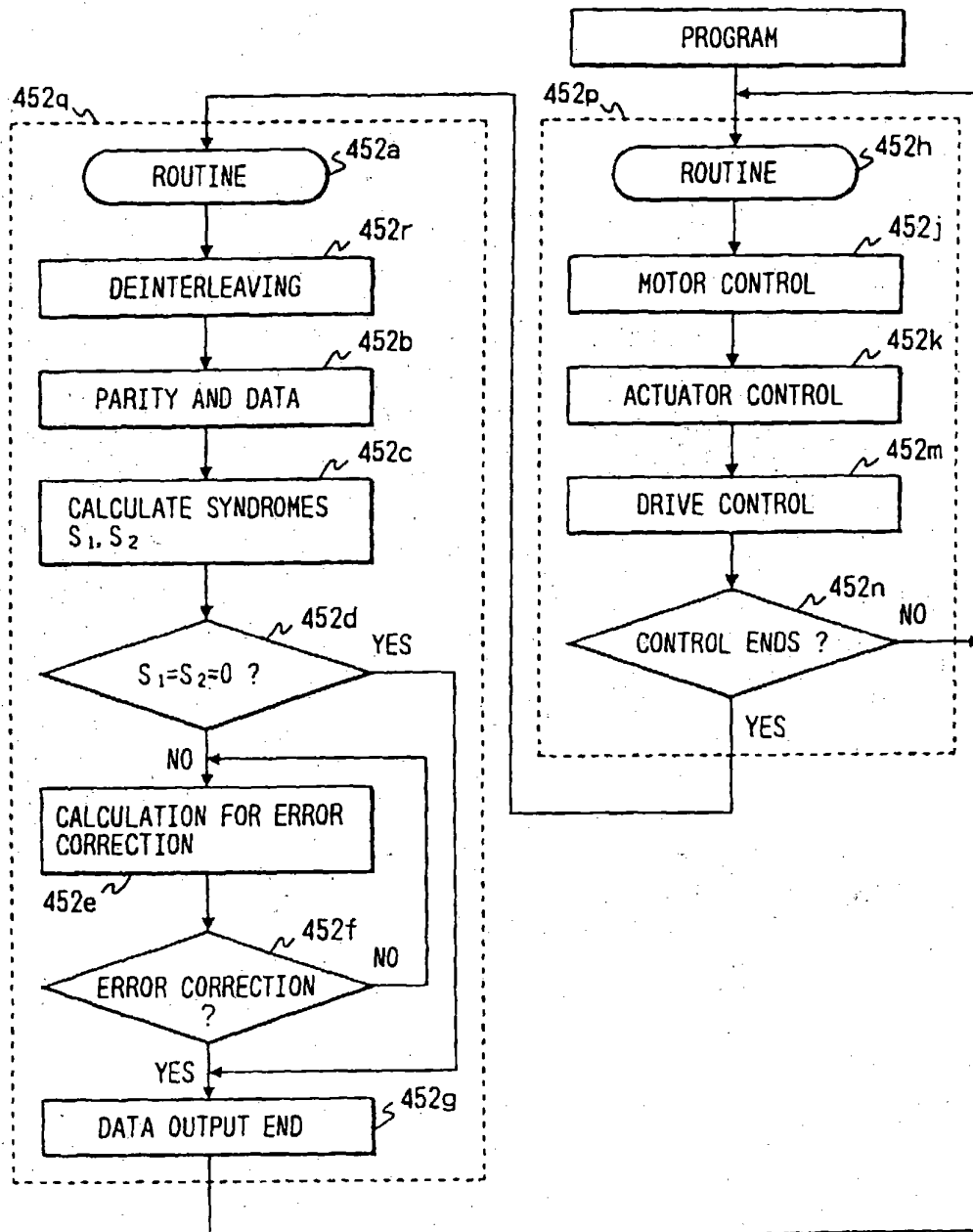


FIG. 211

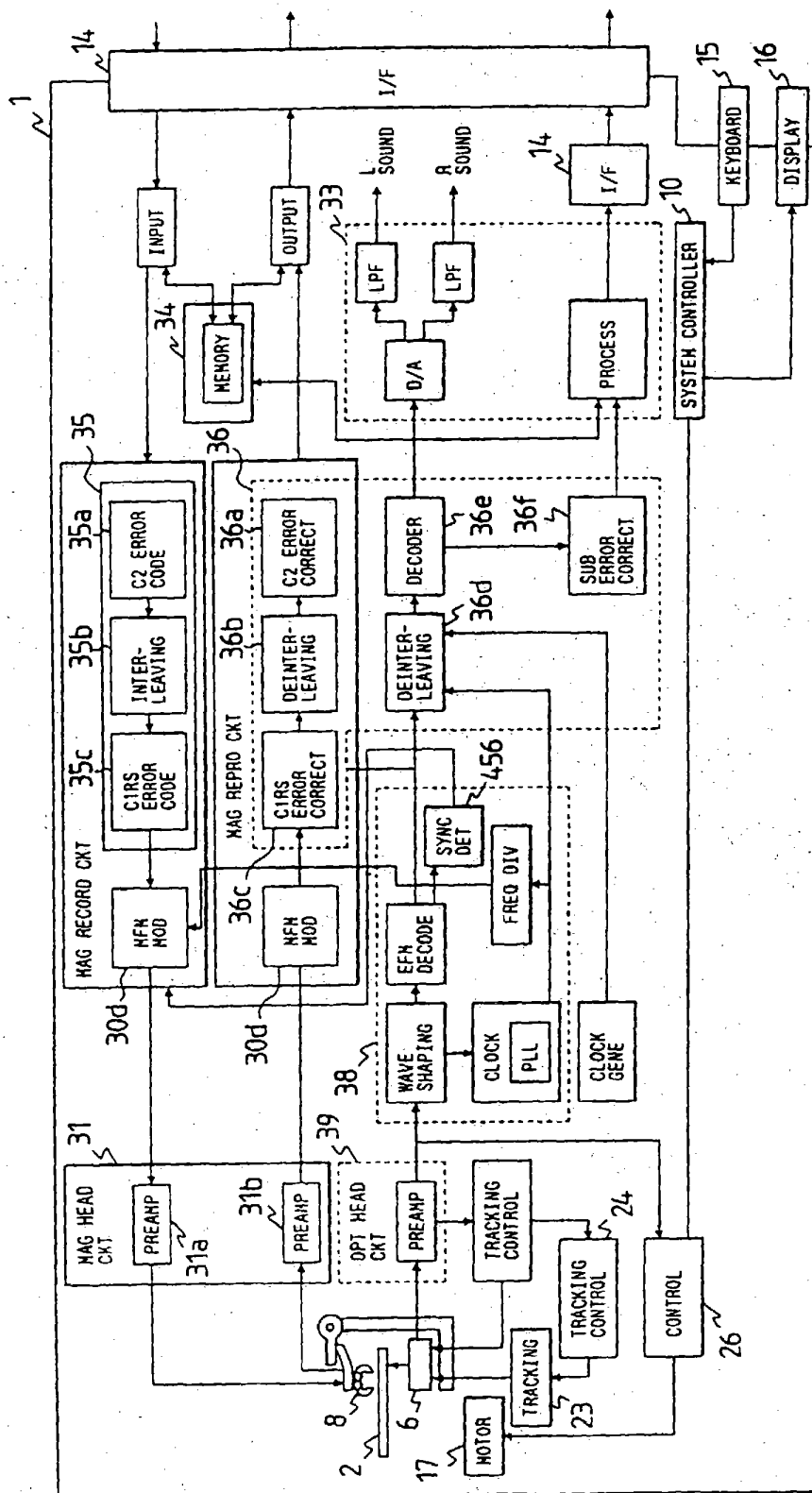


FIG. 212(a)

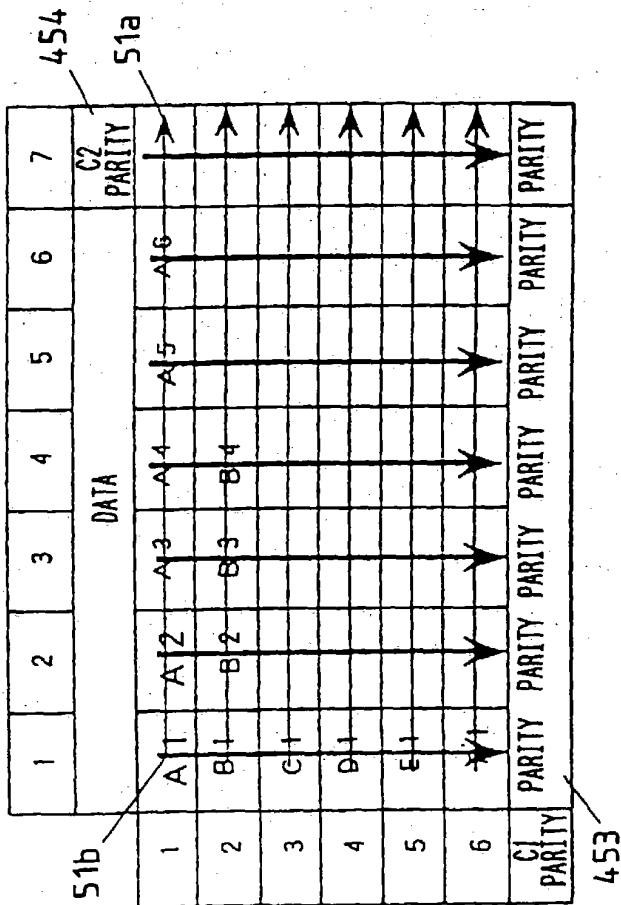


FIG. 212(b)

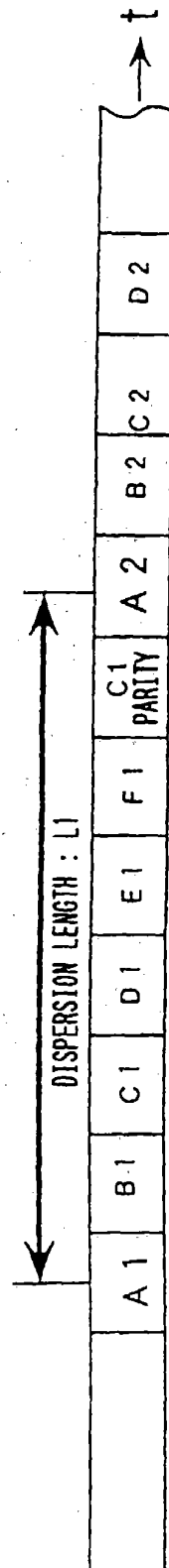


FIG. 213

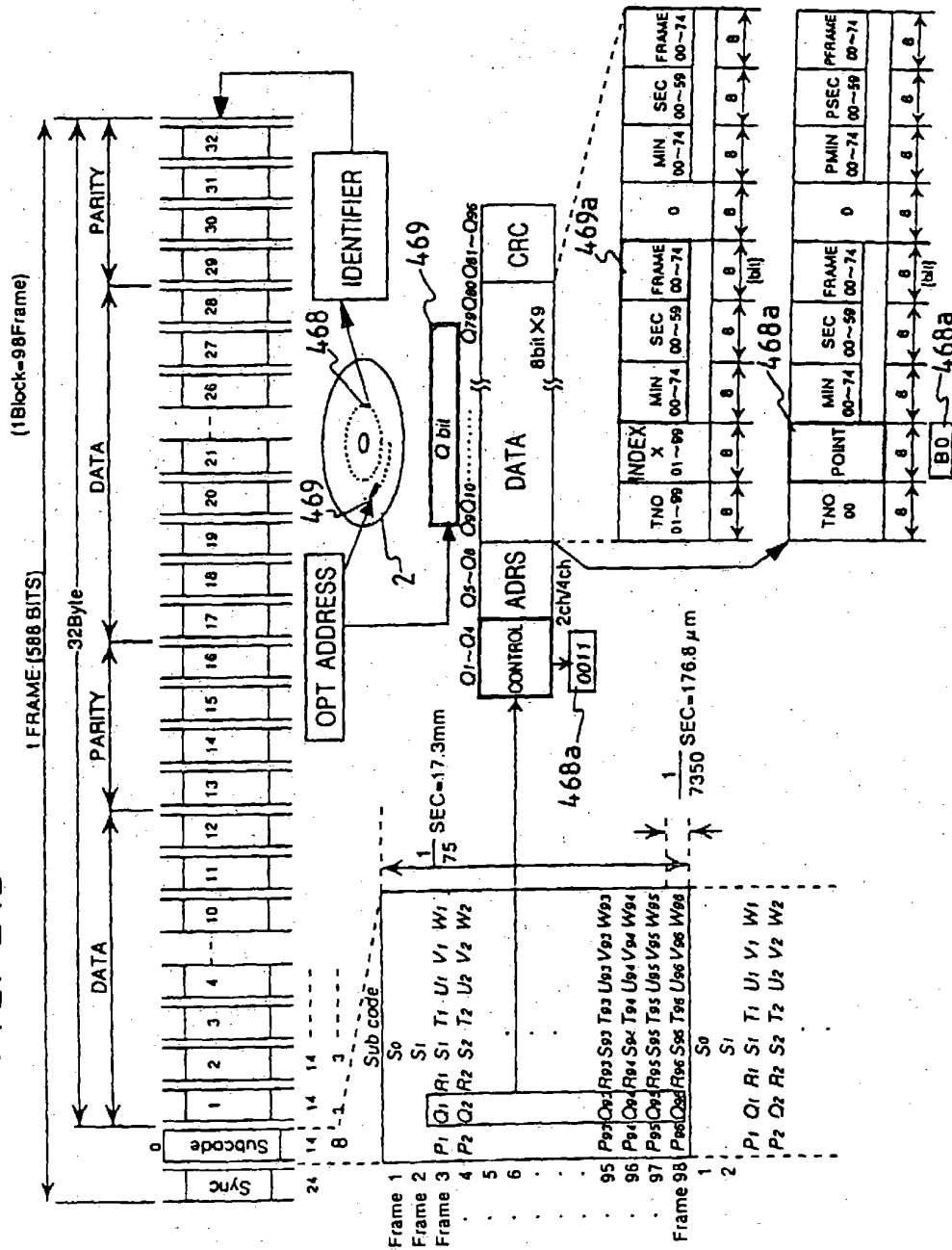


FIG. 214

MAG TRACK NO.	OPT RECORD PORTION					MAG RECORD PORTION				
	INDEX					OPT FRAME INFORMATION				
	SUBCODE				PHYSICAL FRAME	FORMAT INFORMATION				NEW INDEX
	MIN	SEC	FRAME	SECTOR NUMBER		DENSITY	CAPACITY BYTE	H <sub>c</sub> (0e)	RECORD INHIBIT	
0				1		00	1024	2800	1	
1	3	15	55	1	21	00	1024	1900	0	15 56 21
2	6	20	25					1900	0	
3								1900	0	
4								1900	0	
5								1900	0	
6								1900	0	
7								1900	0	
8								1900	0	
9								1900	0	
10							2048	1900	0	

FIG. 215

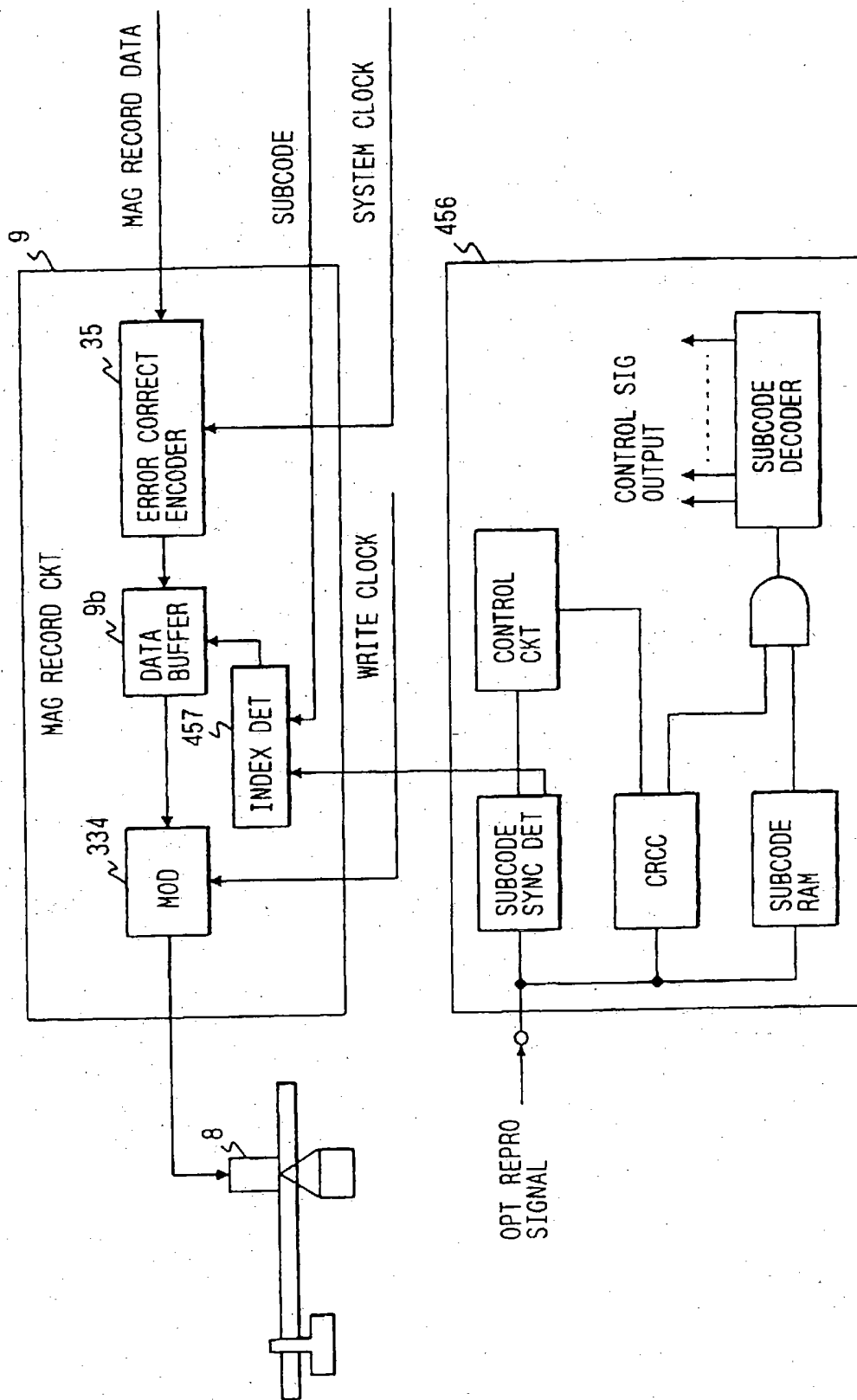


FIG. 216

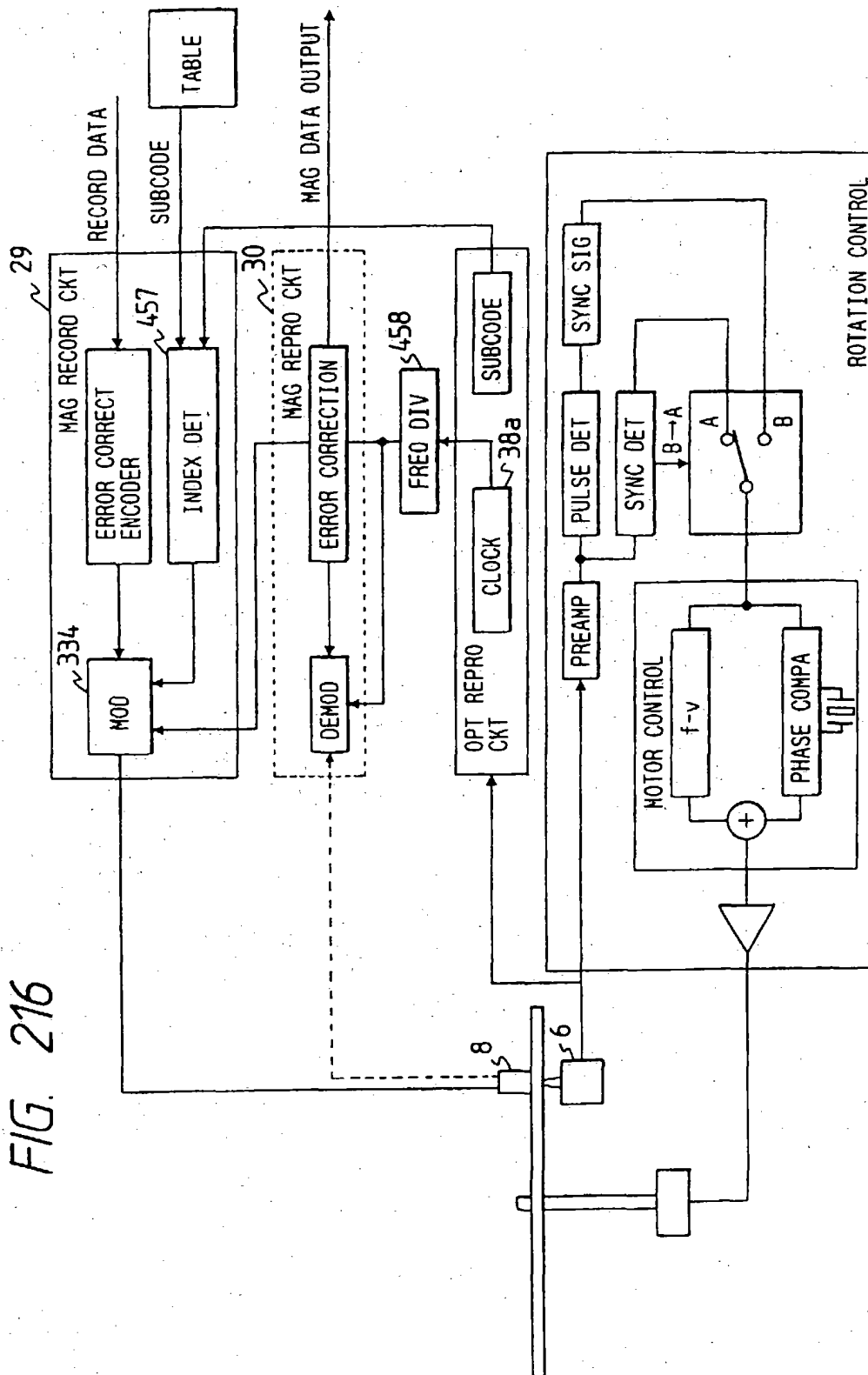
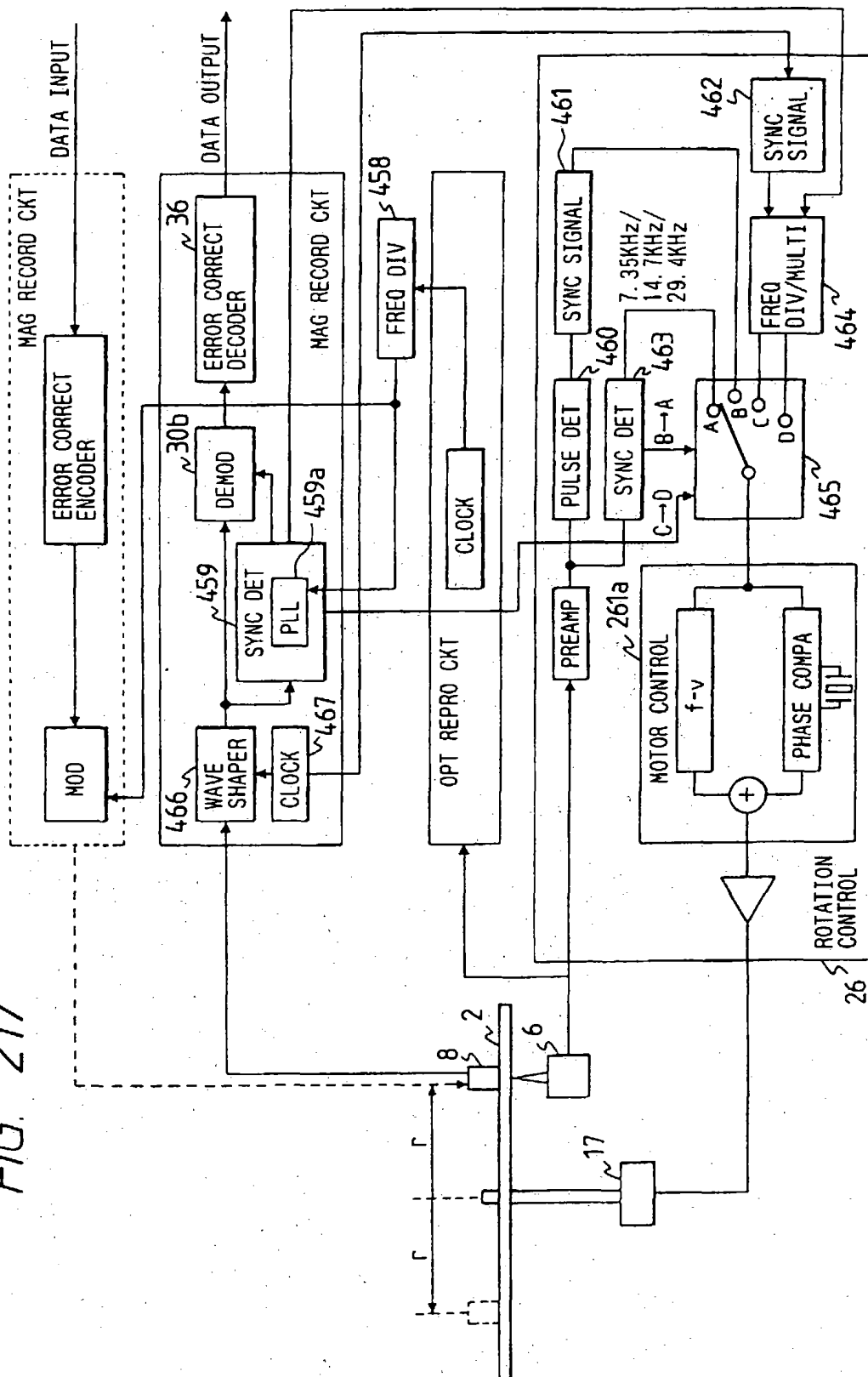


FIG. 217





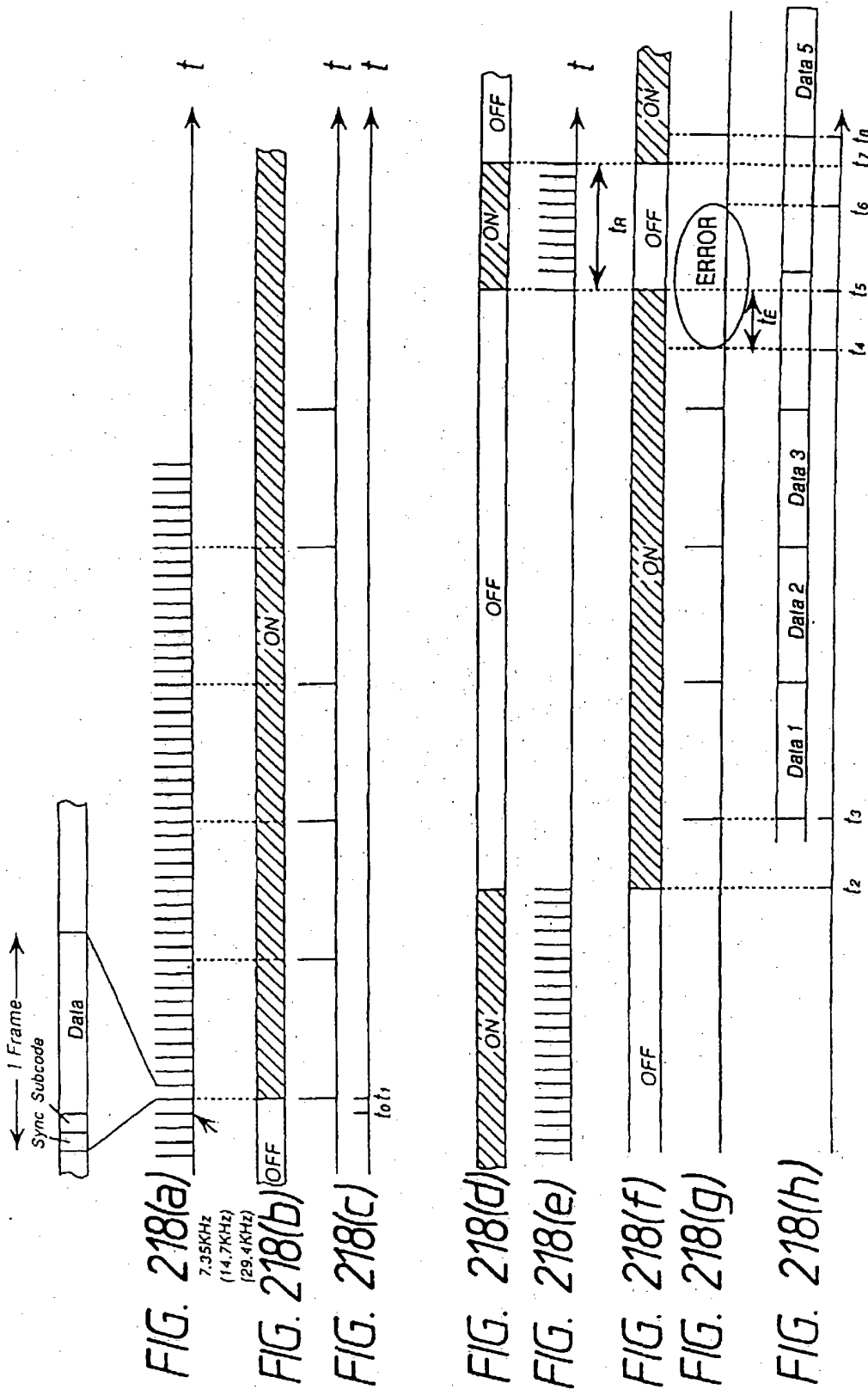
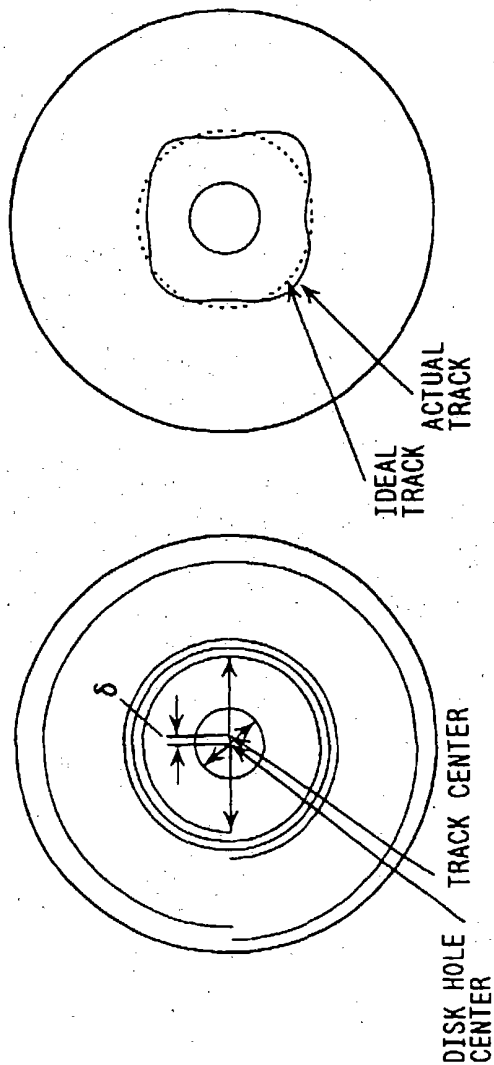


FIG. 219



DISK SPECIFICATION

ITEM	SPEC
MAX ECCENTRICITY [ $\mu\text{m}$ ]	$\pm 50$
MAX ECCENTRIC ACCEL [ $\text{m}/5^2$ ]	0.4

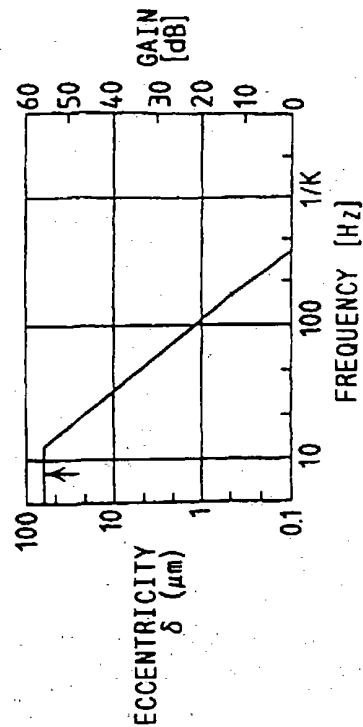


FIG. 220

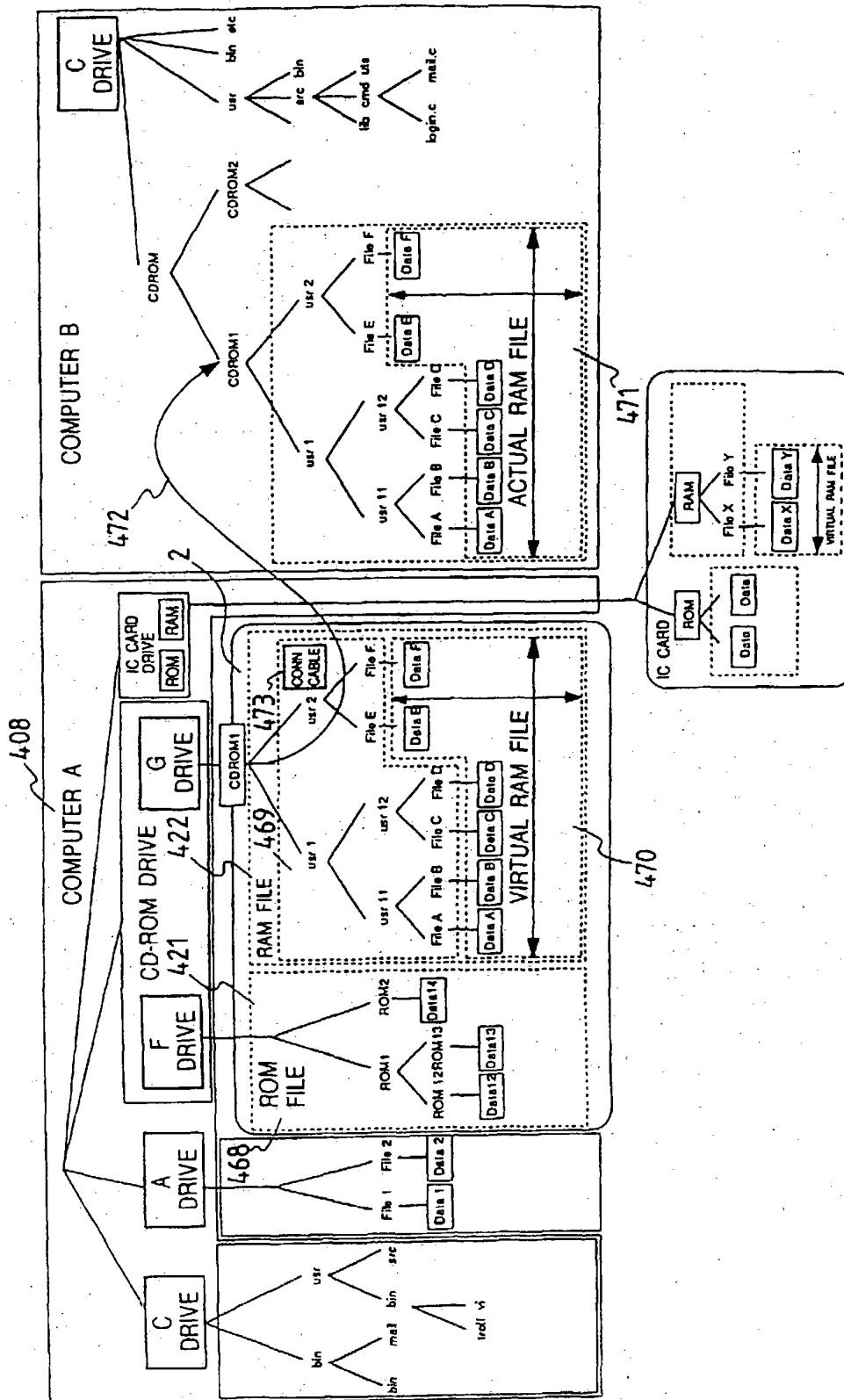
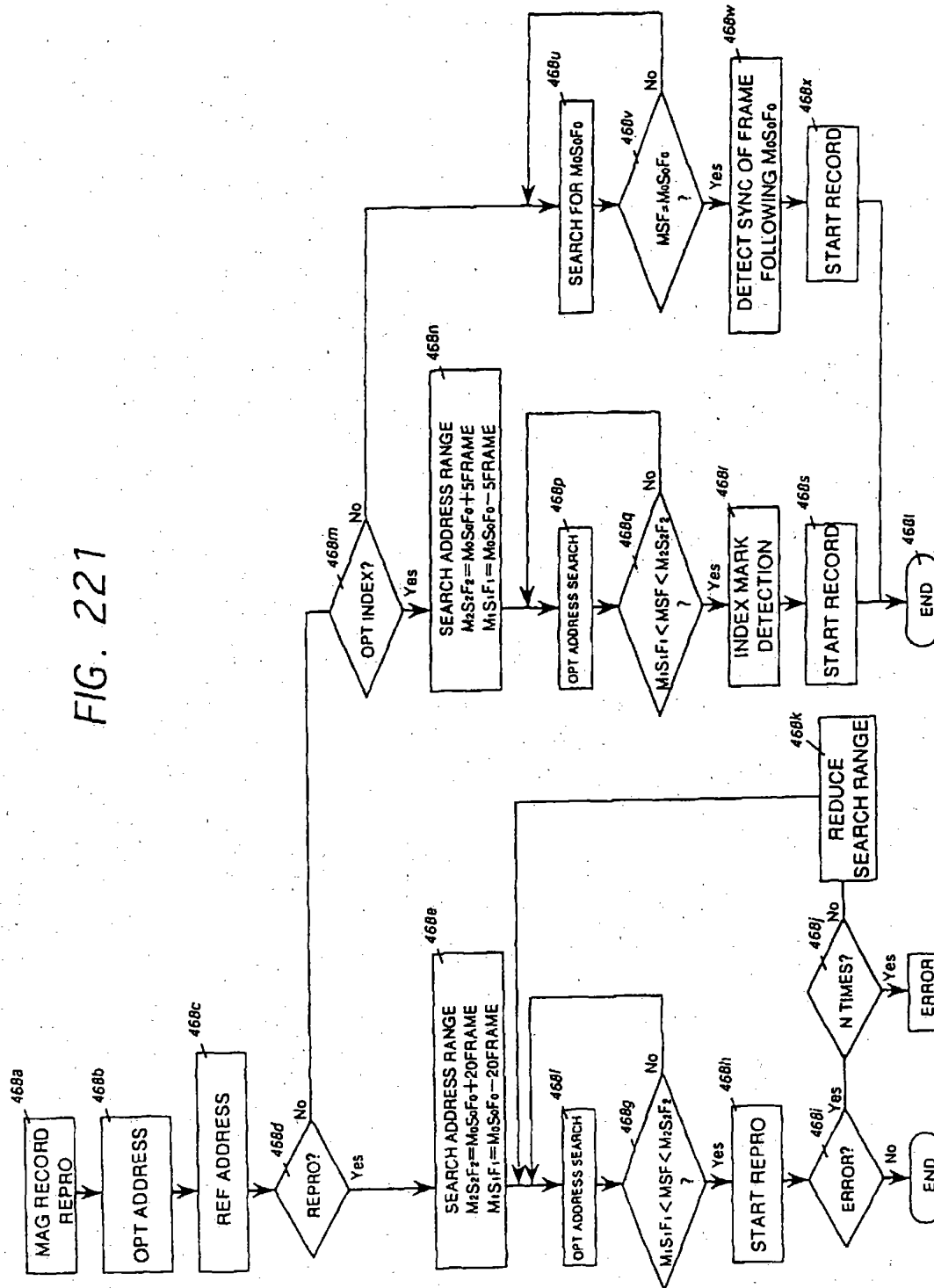


FIG. 221



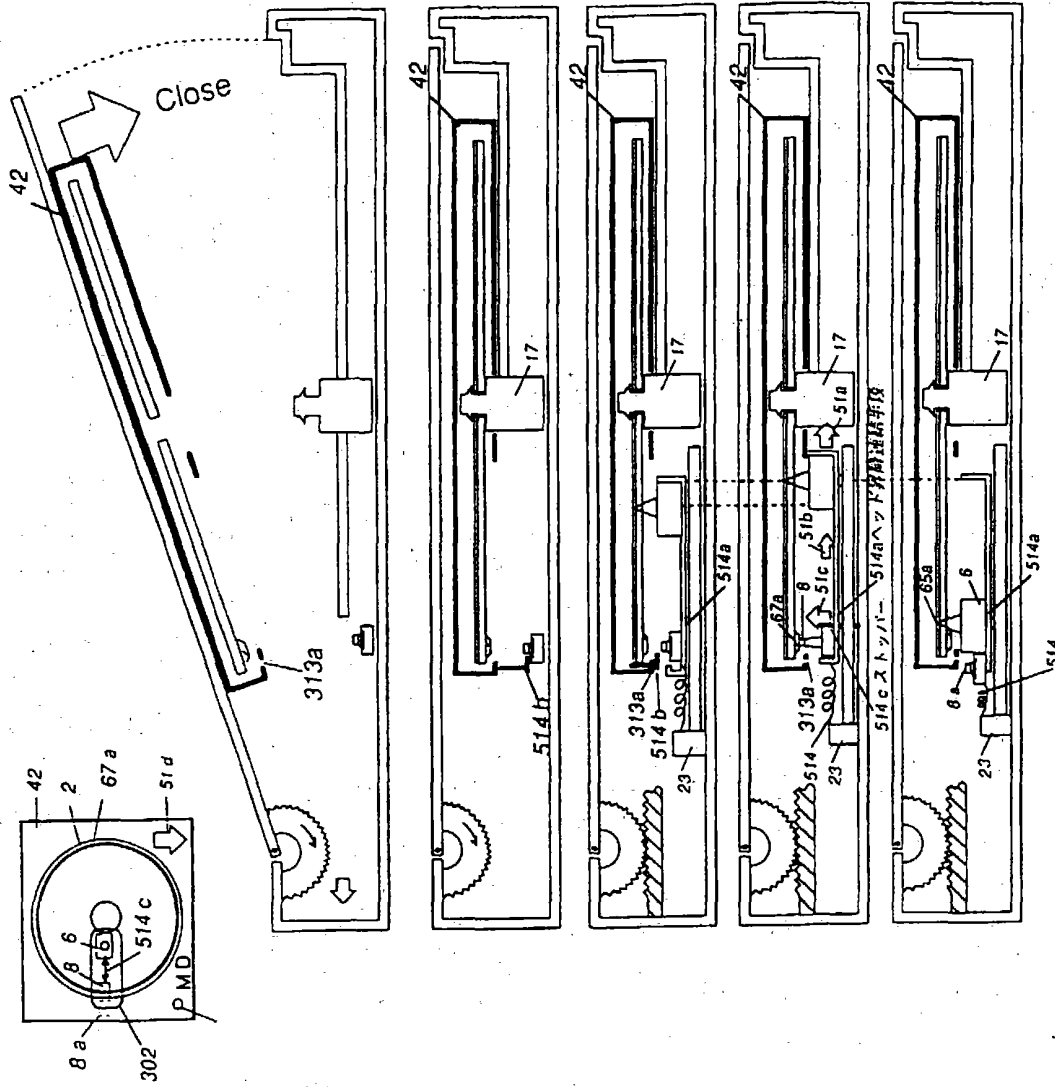


FIG. 222(a)

FIG. 222(b)

FIG. 222(c)

FIG. 222(d)

FIG. 222(e)

FIG. 222(f)

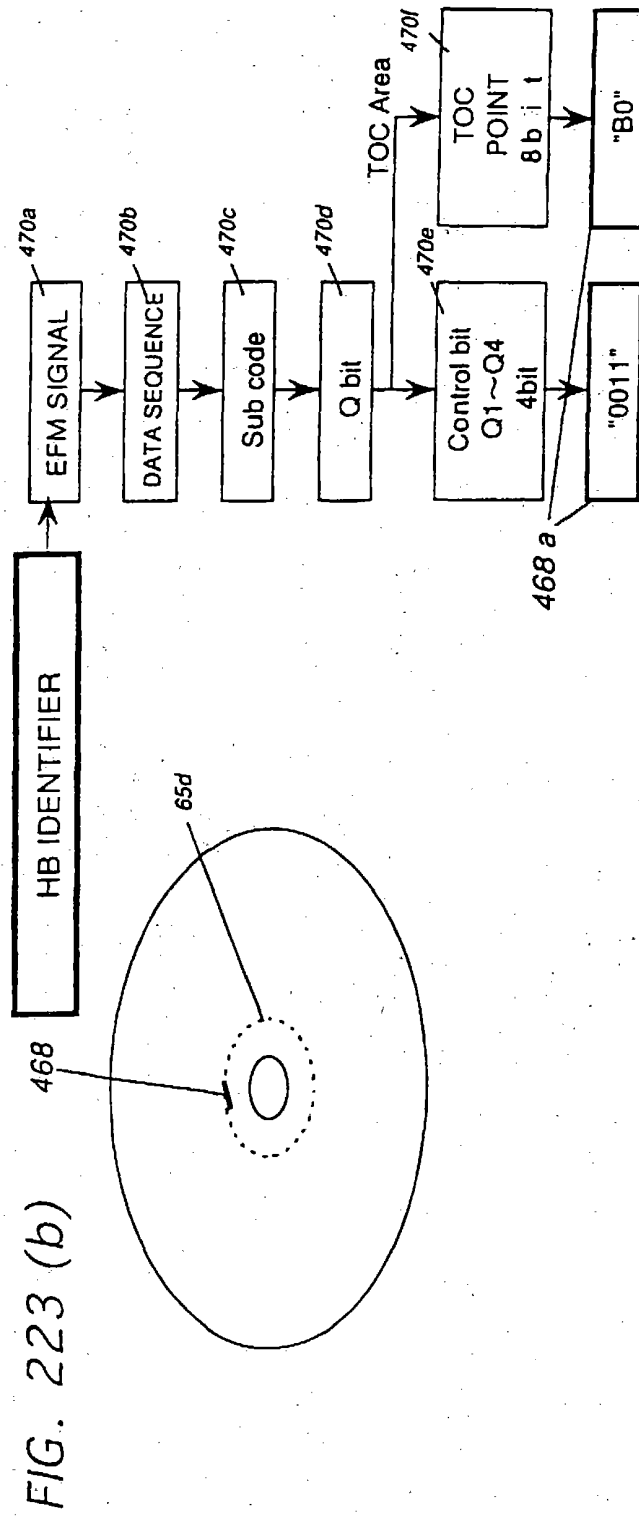
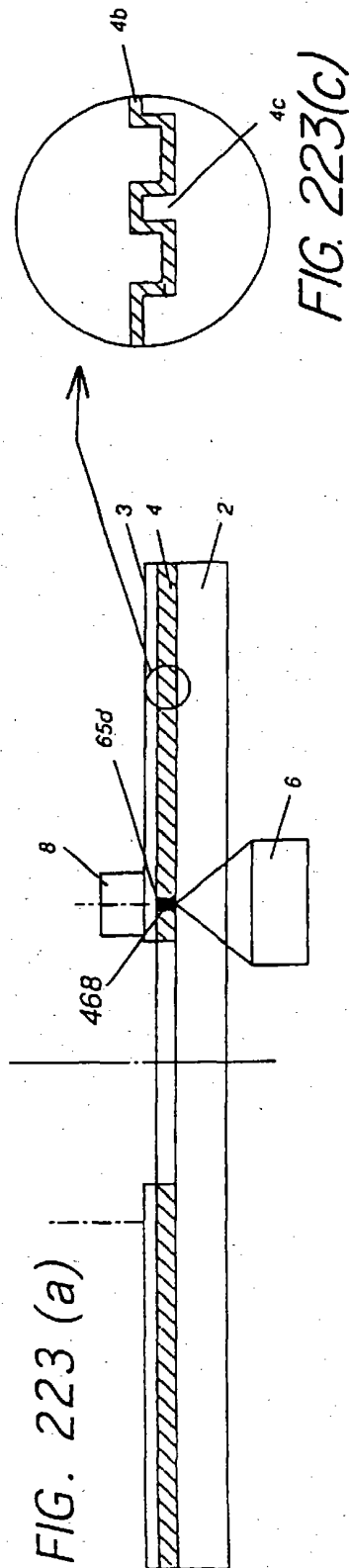


FIG. 224

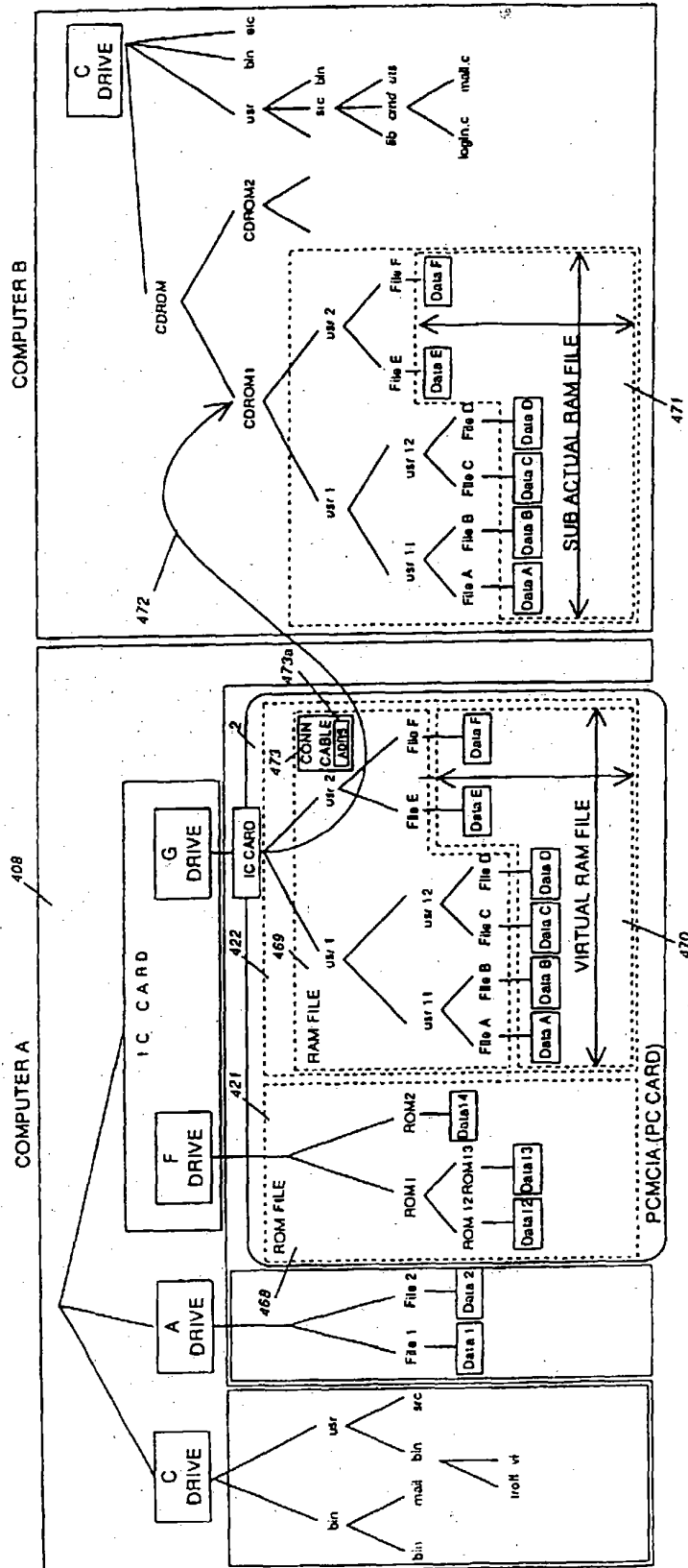


FIG. 225

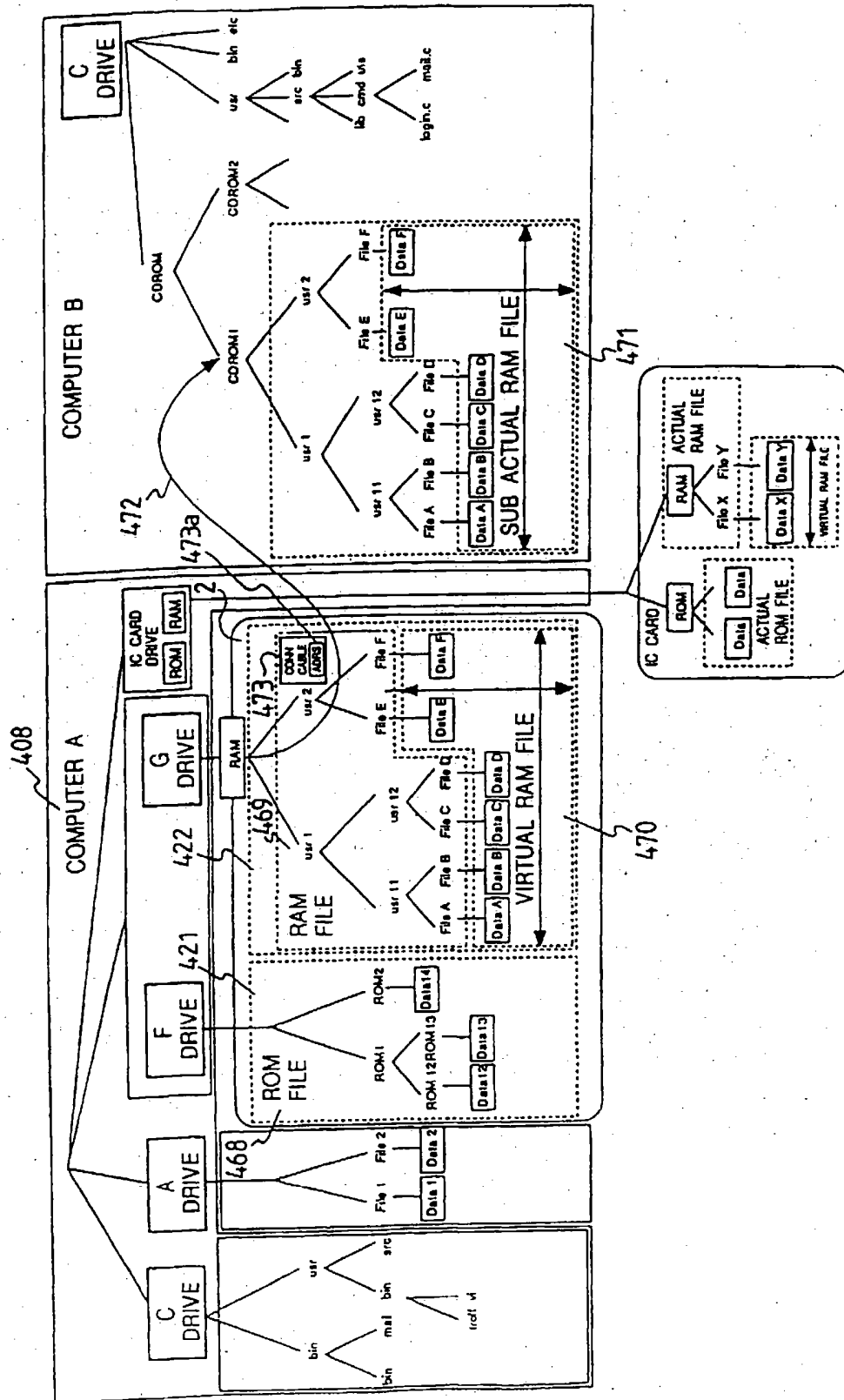




FIG. 226

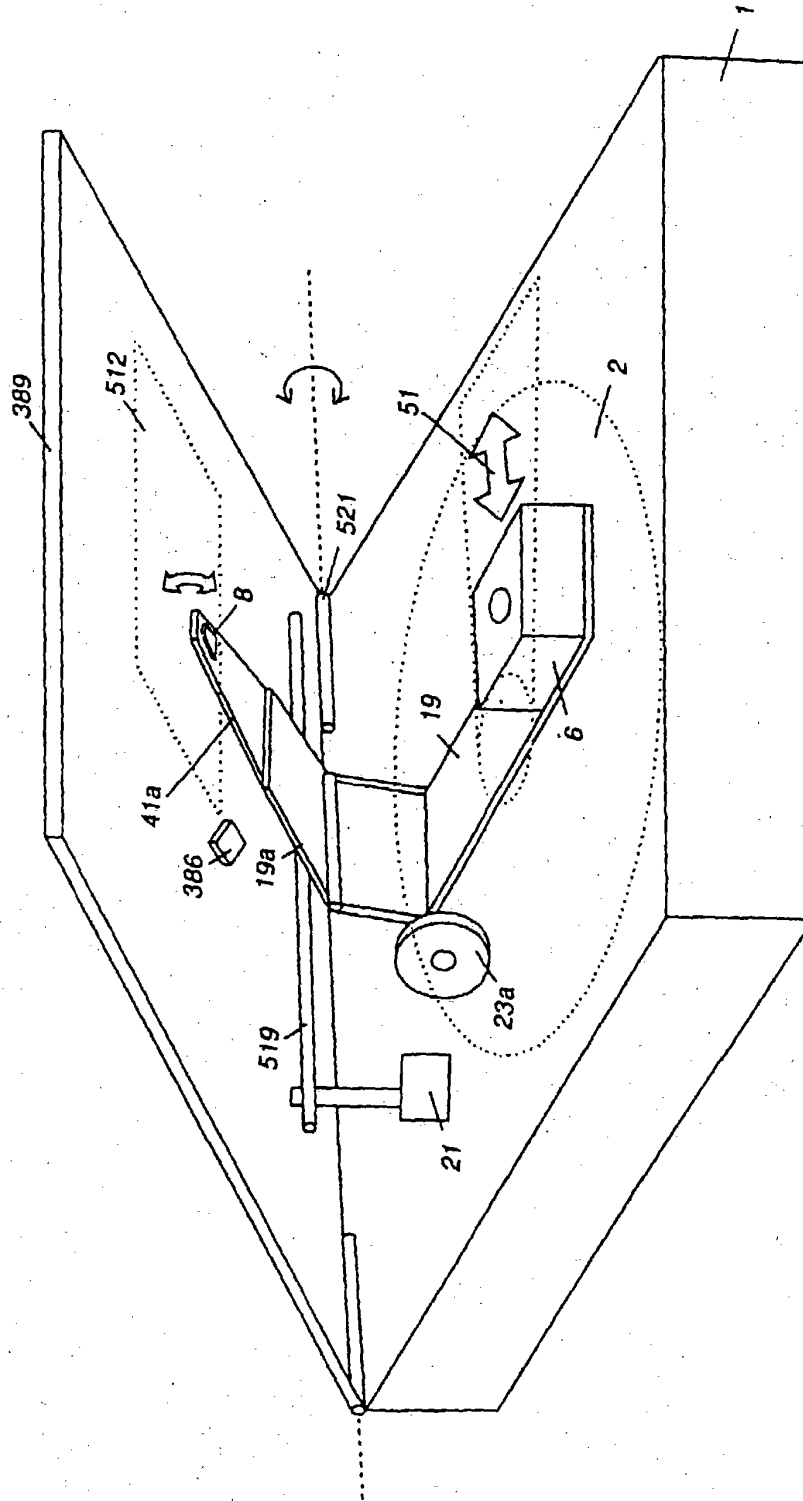


FIG. 227

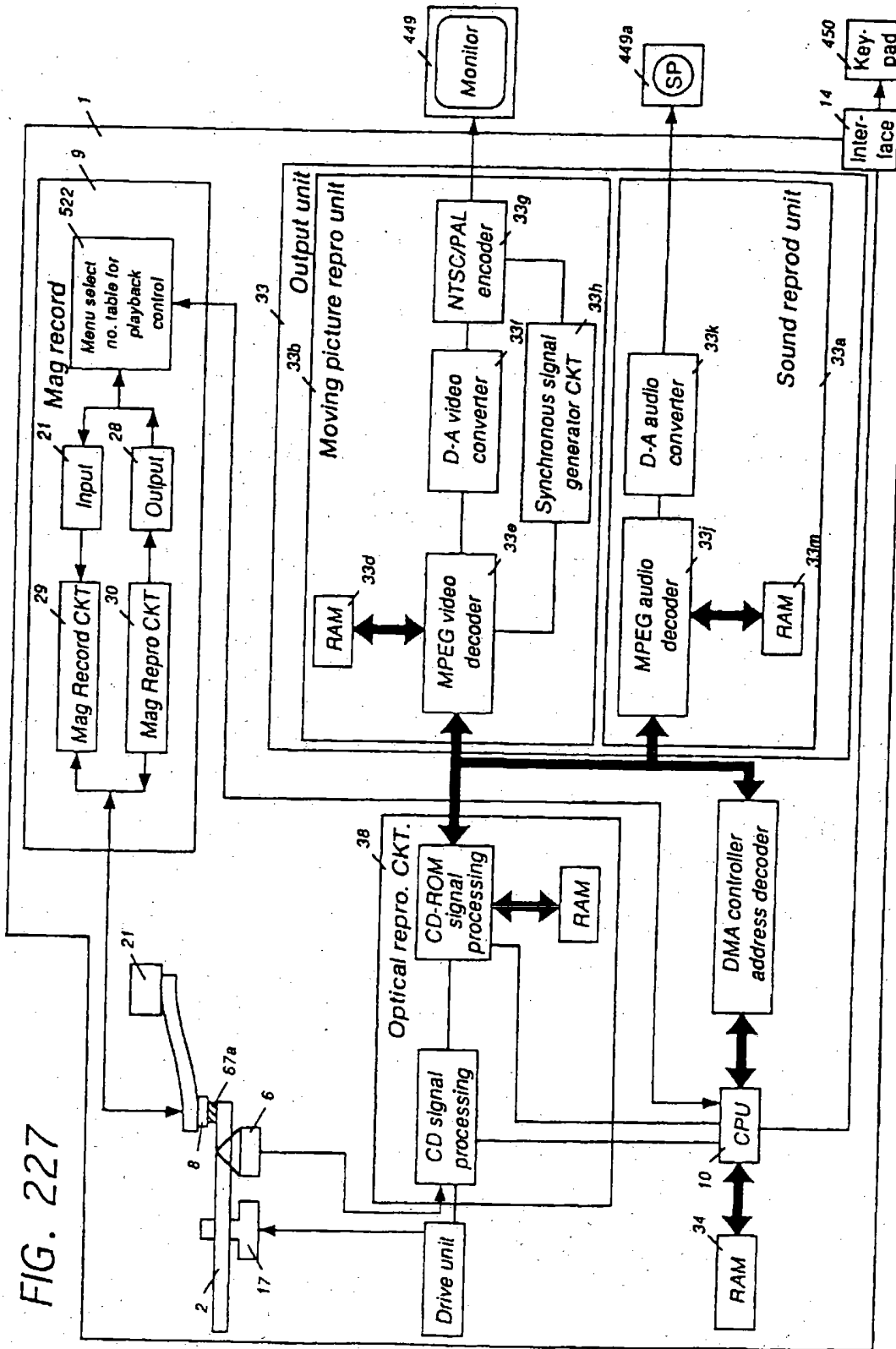


FIG. 228

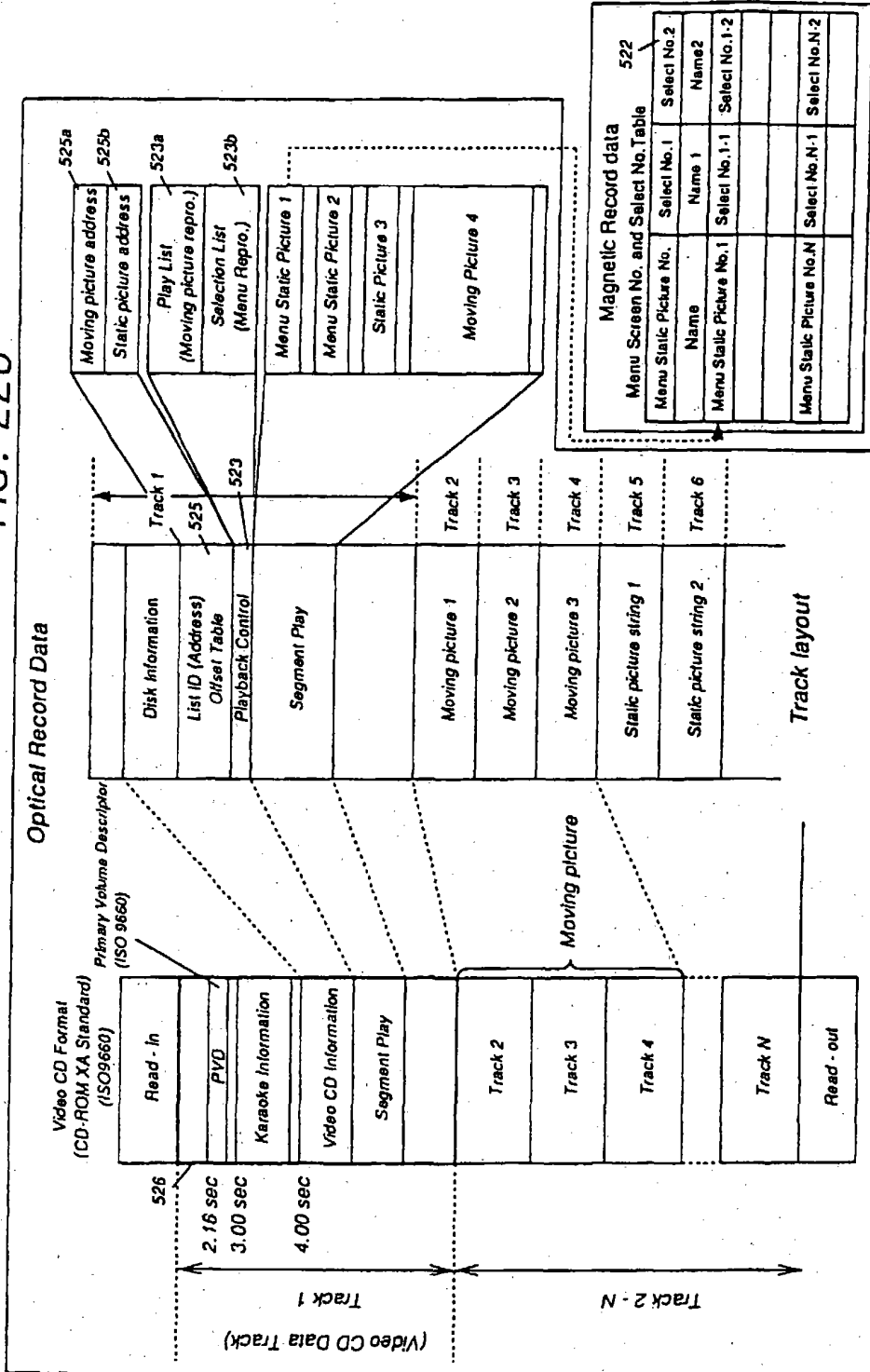


FIG. 229

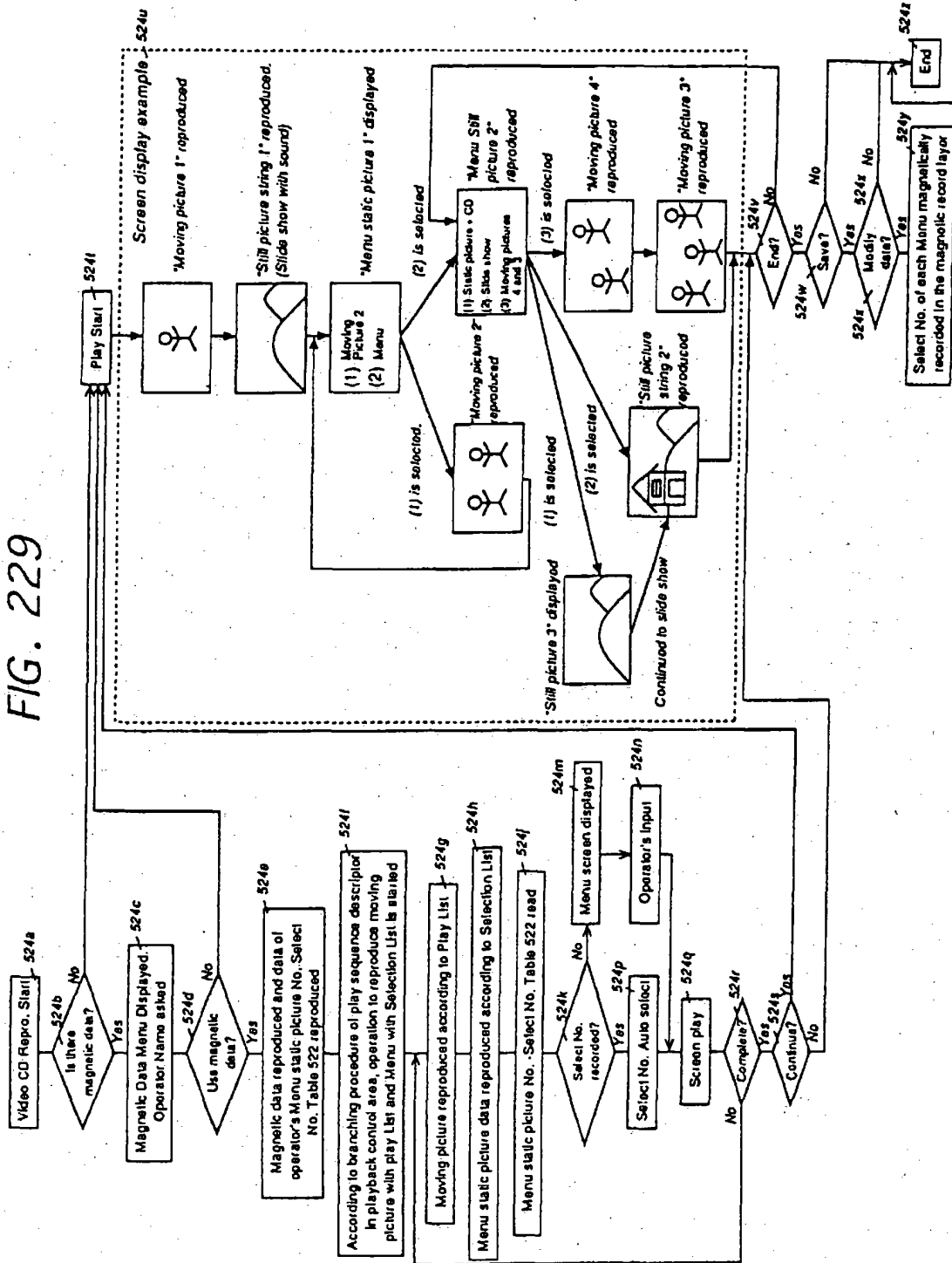


FIG. 230

Menu Screen No. - Select No. Table

Menu Screen No.	Operator 1	Operator 2	Operator 3	Operator 4
	Name 1	Name 2	Name 3	Name 4
Menu Screen No.1	Select No. 1-1	Select No. 1-2	Select No. 1-3	Select No. 1-4
Menu Screen No.2	Select No. 2-1	Select No. 2-2	Select No. 2-3	Select No. 2-4
Menu Screen No.3	Select No. 3-1	Select No. 3-2	Select No. 3-3	Select No. 3-4
Menu Still Screen No. N	Select No. N-1	Select No. N-2	Select No. N-3	Select No. N-4

522n

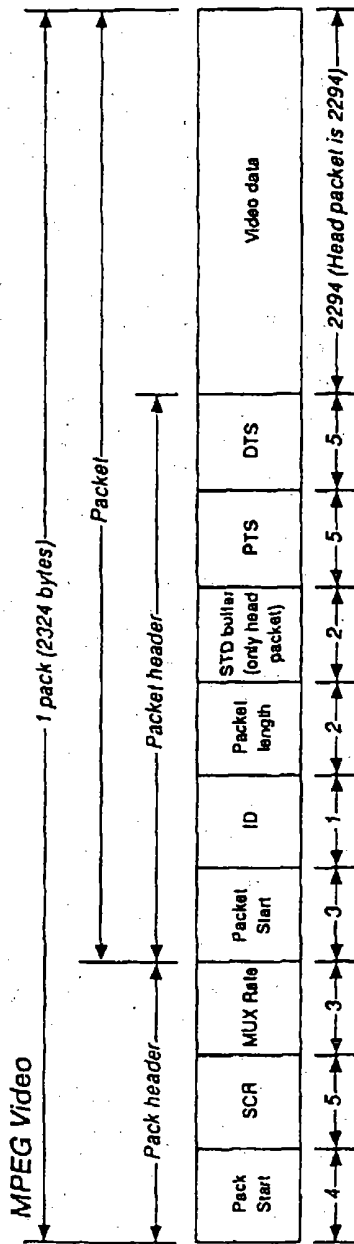
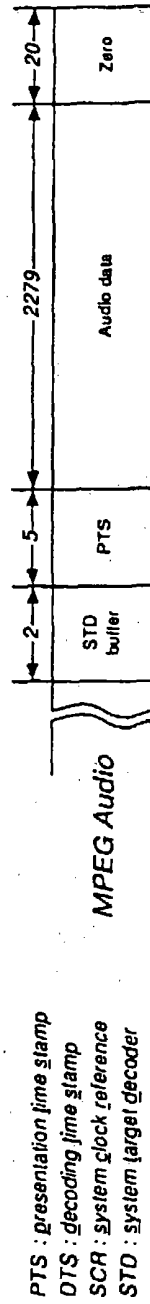


FIG. 231 (a)



PTS : presentation time stamp  
DTS : decoding time stamp  
SCR : system clock reference  
STD : system target decoder

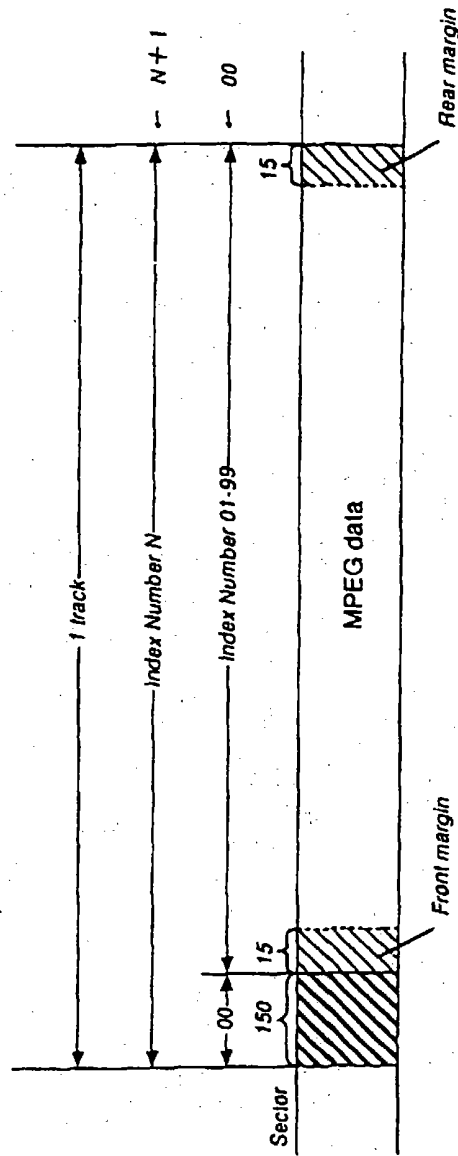
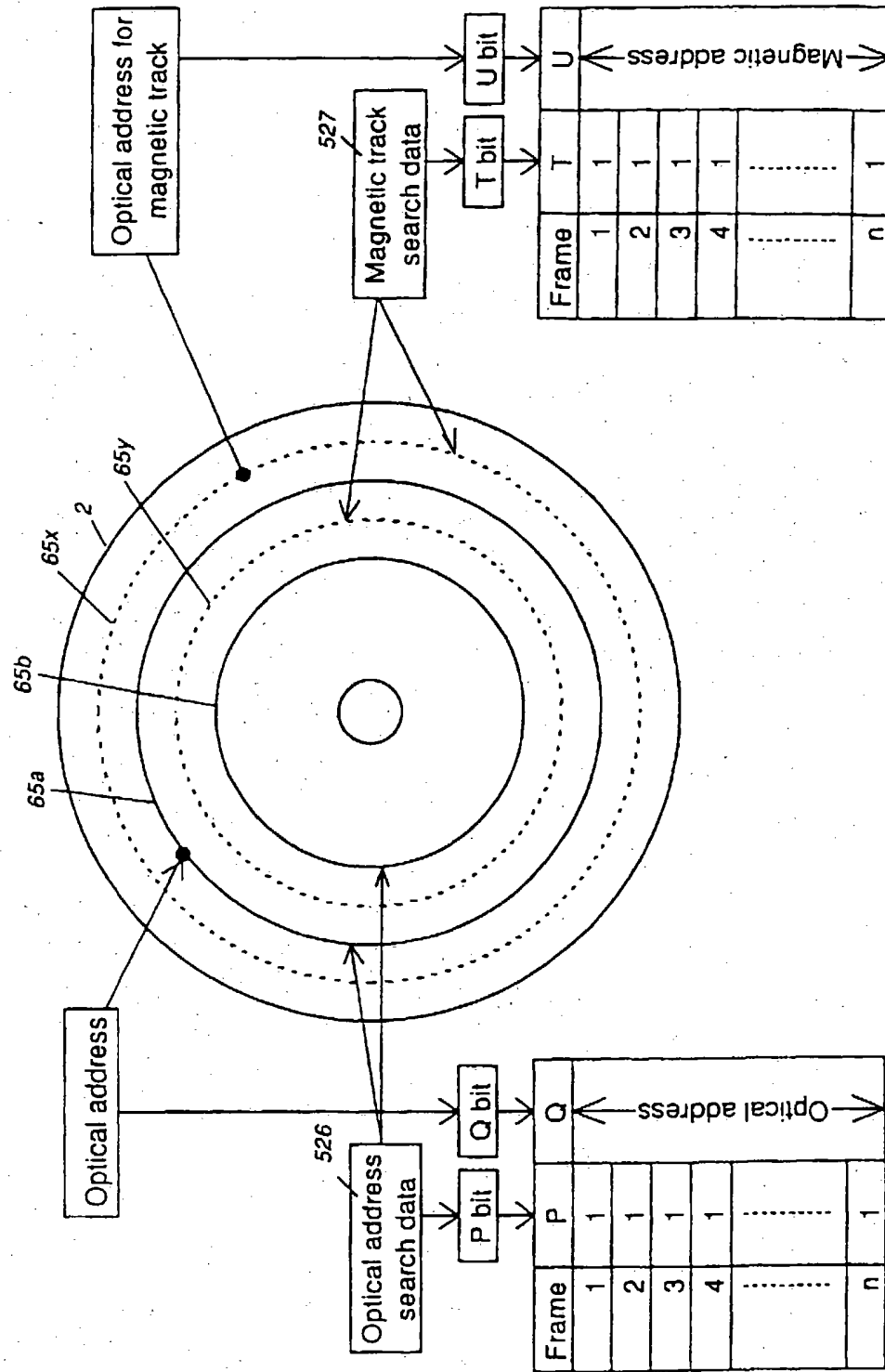


FIG. 231 (b)

FIG. 232



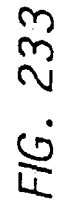
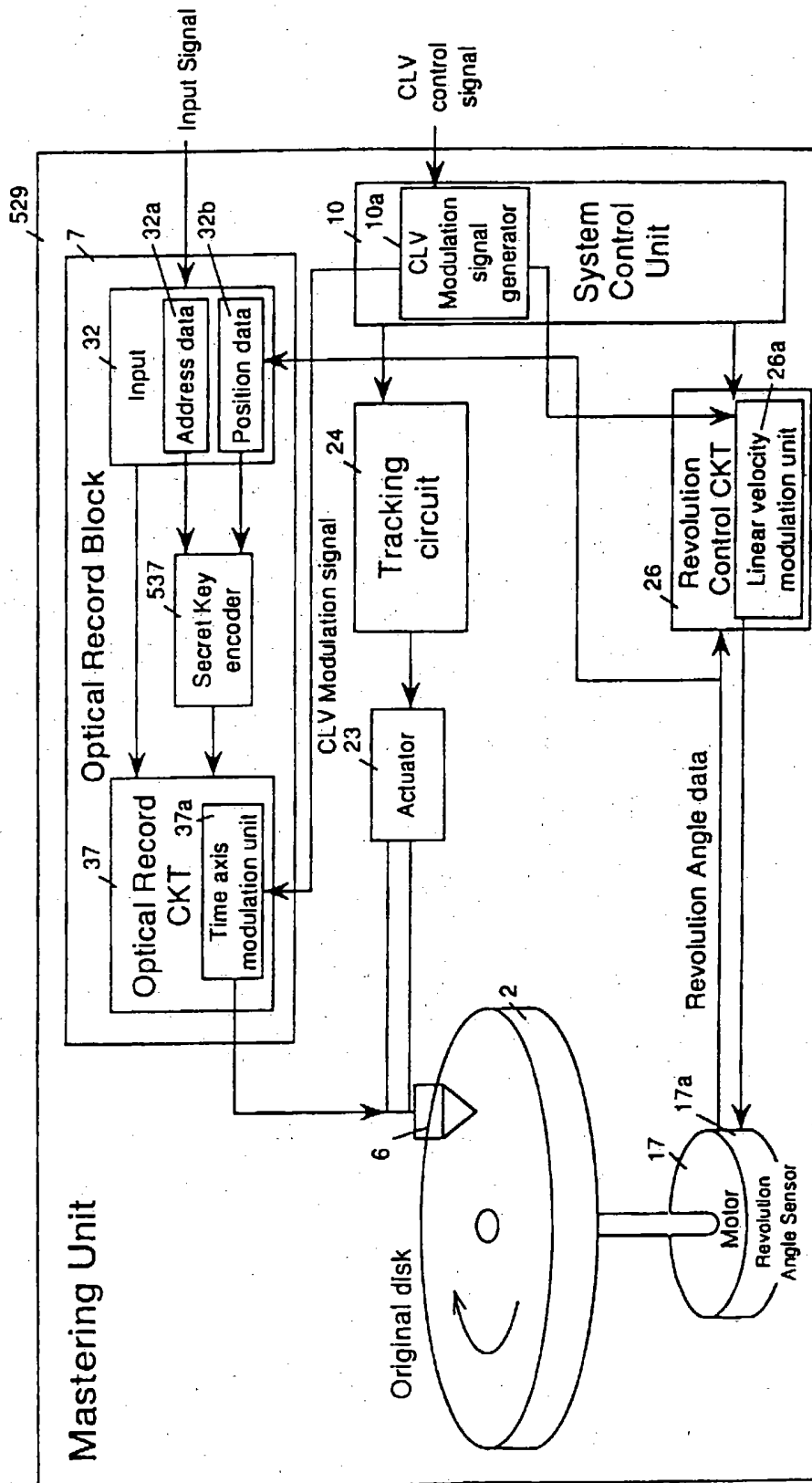
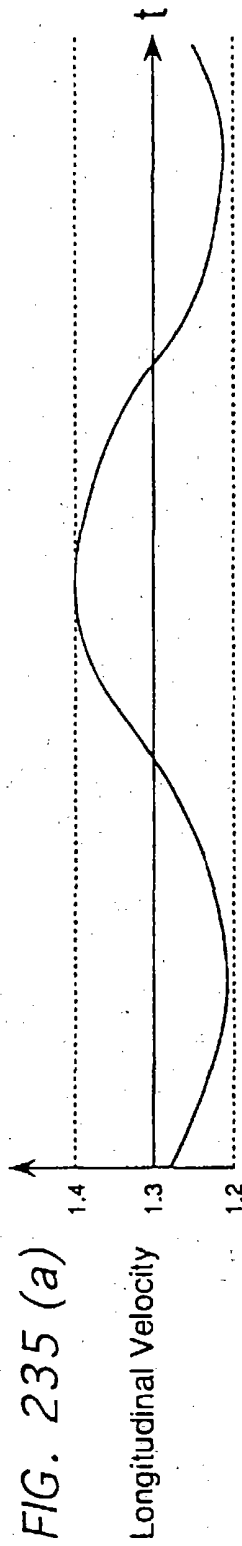


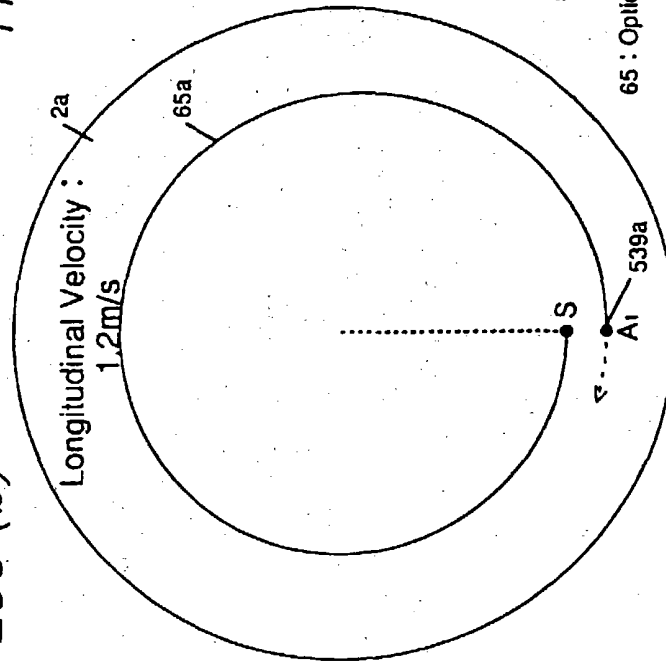


FIG. 234

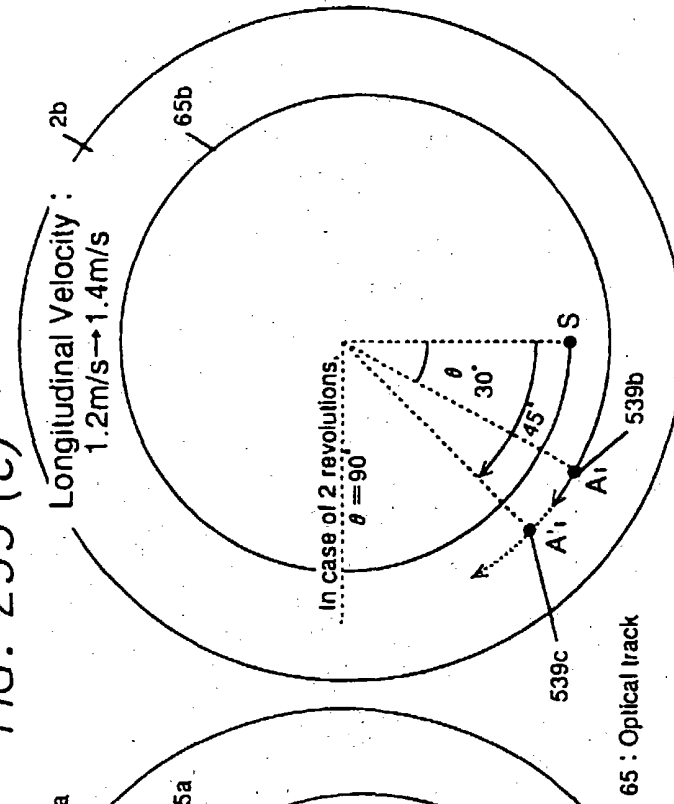


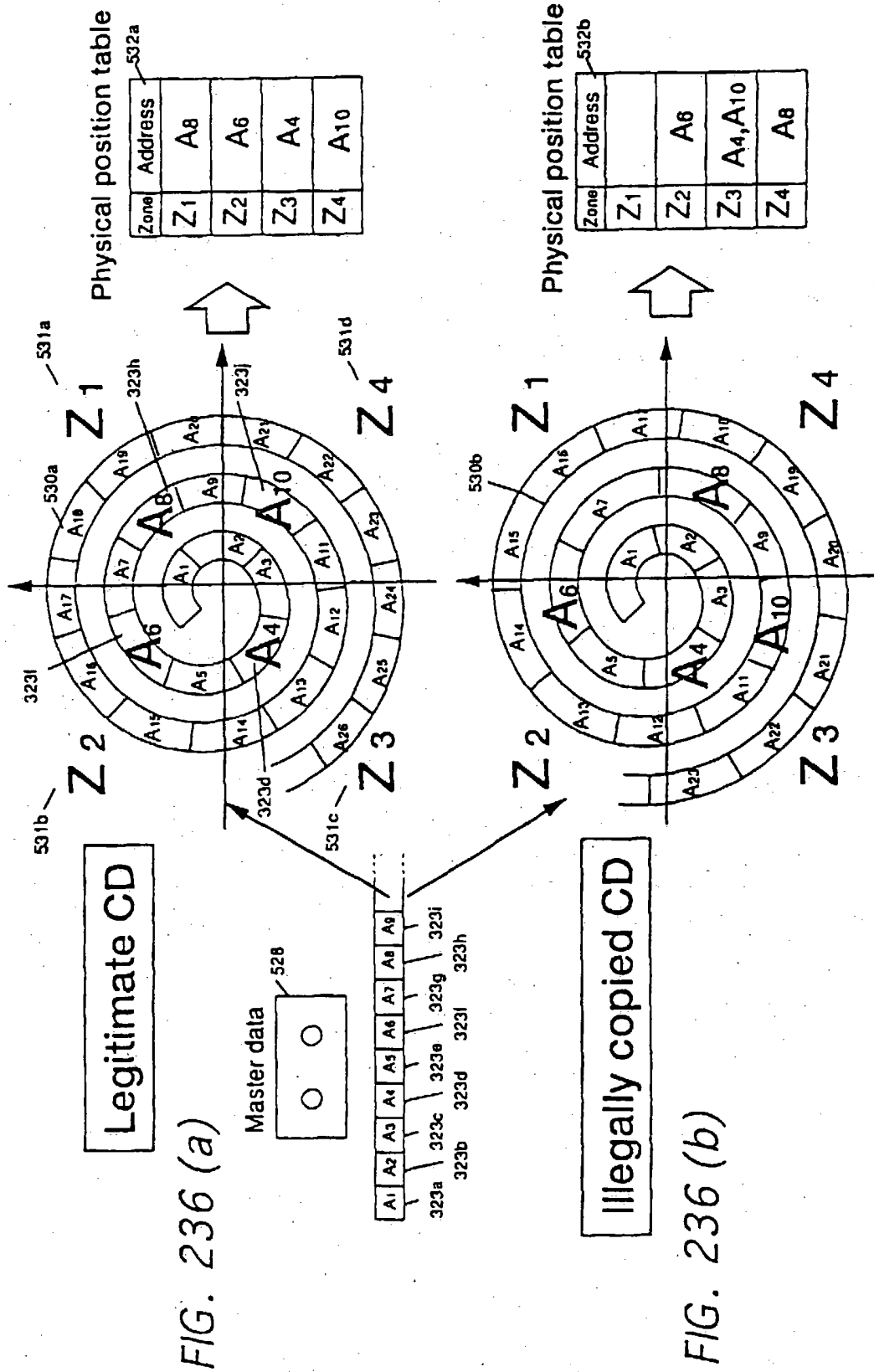


**FIG. 235 (b)**



**FIG. 235 (c)**





# Relative position detecting step

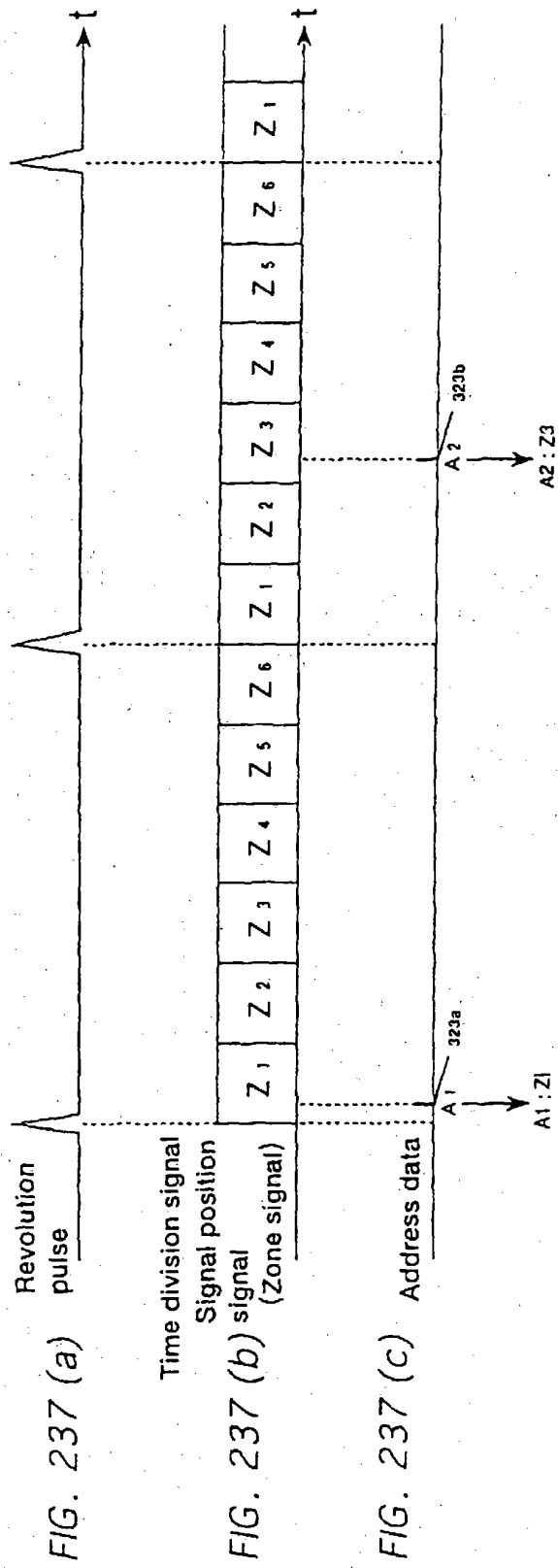


FIG. 238

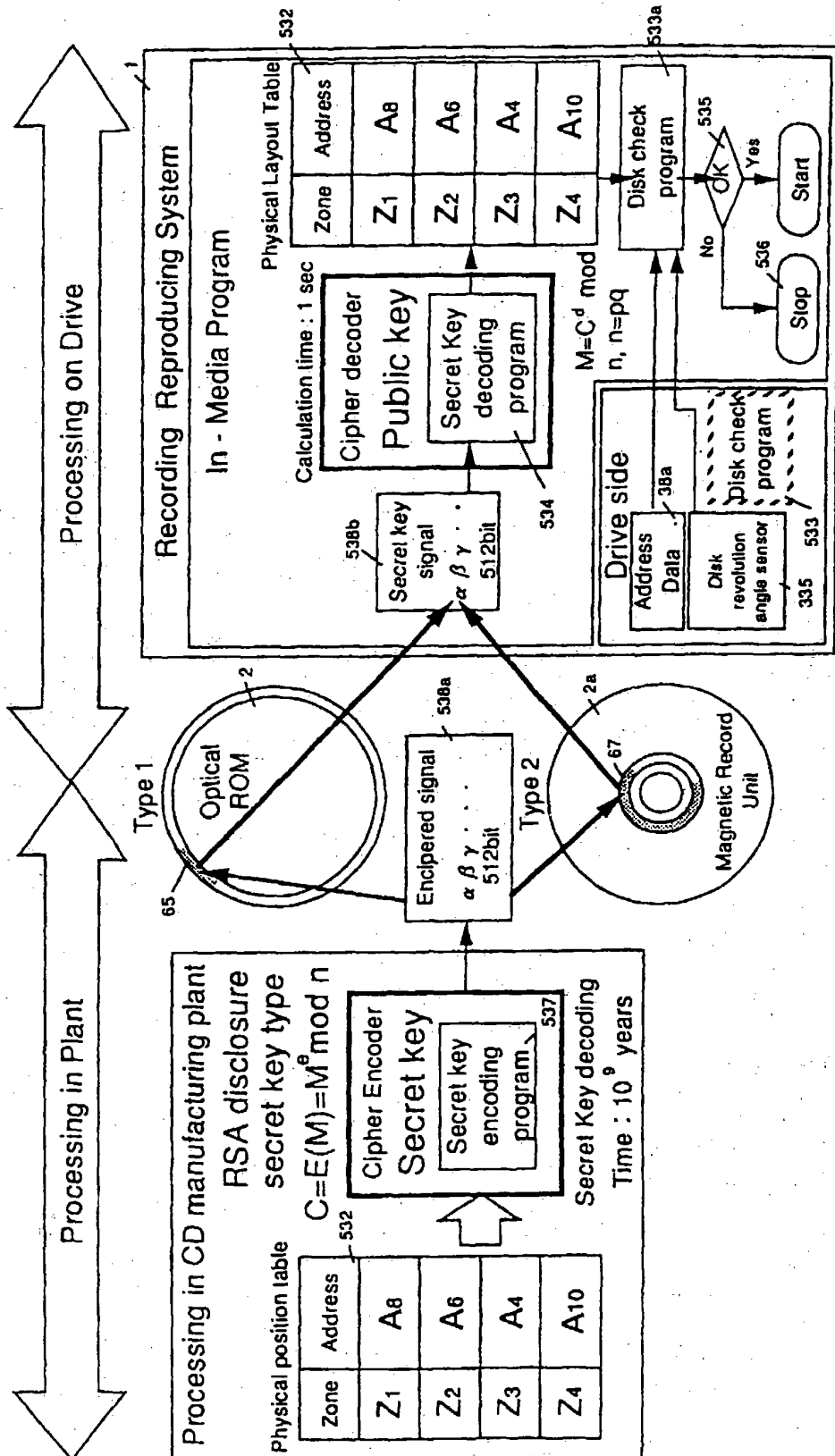


FIG. 239

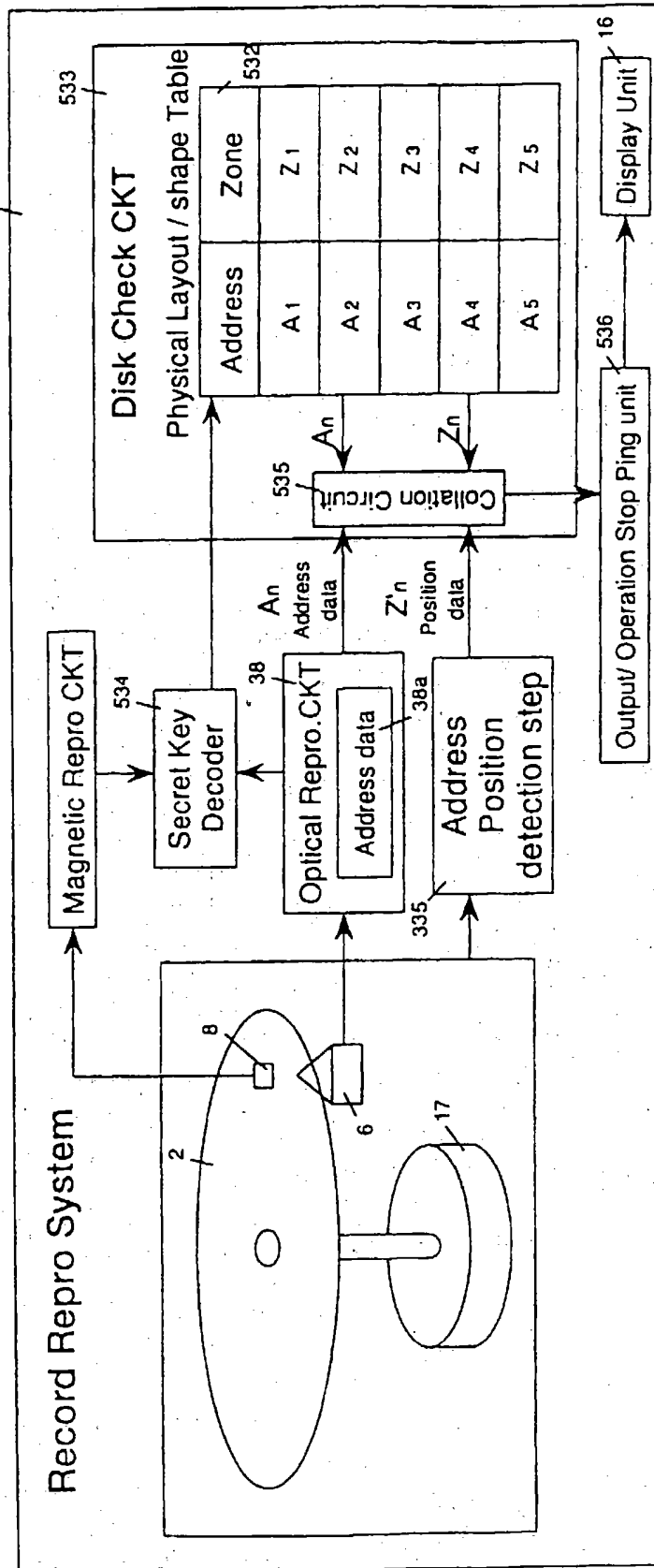


FIG. 240

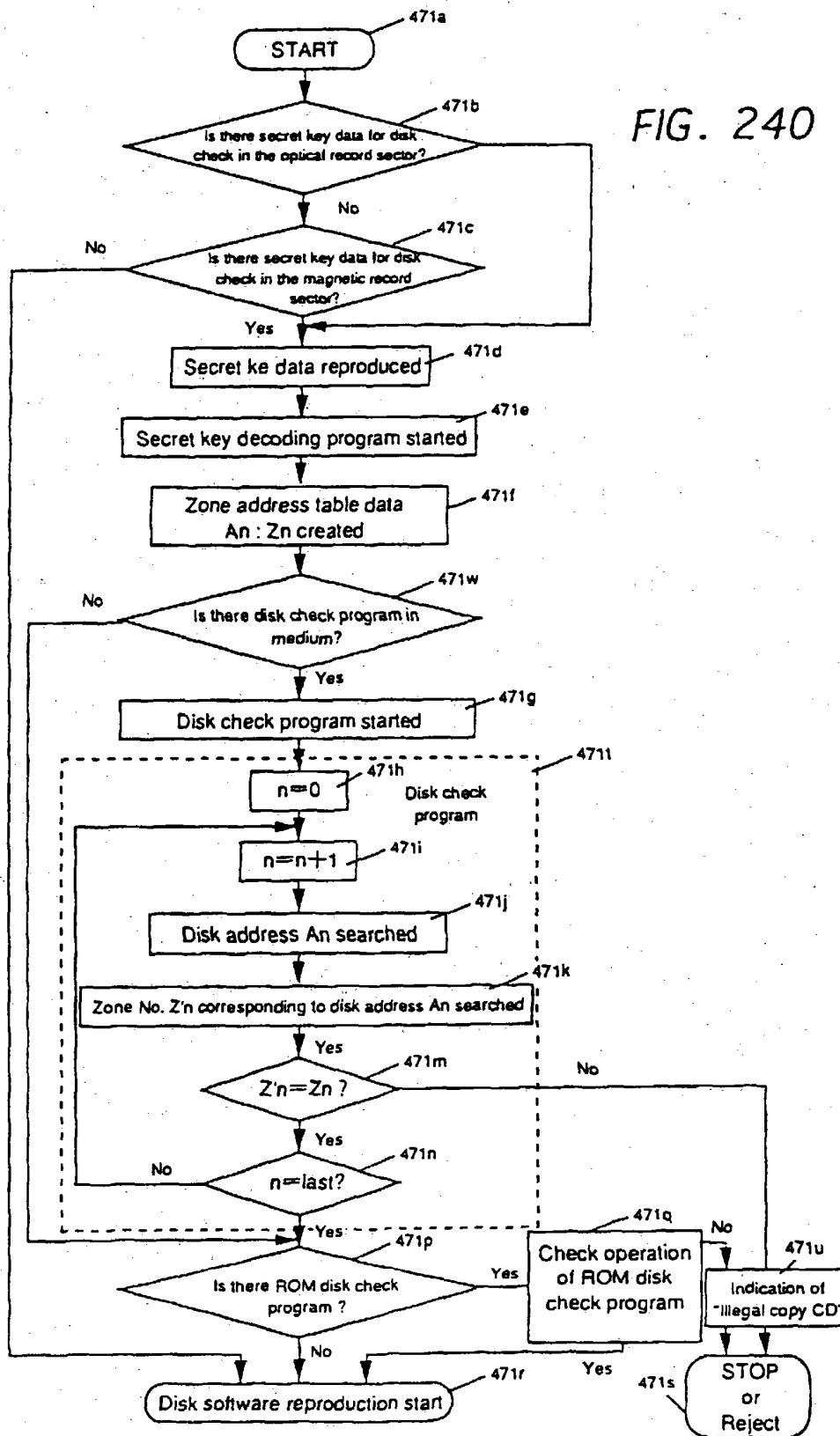


FIG. 241 (a)

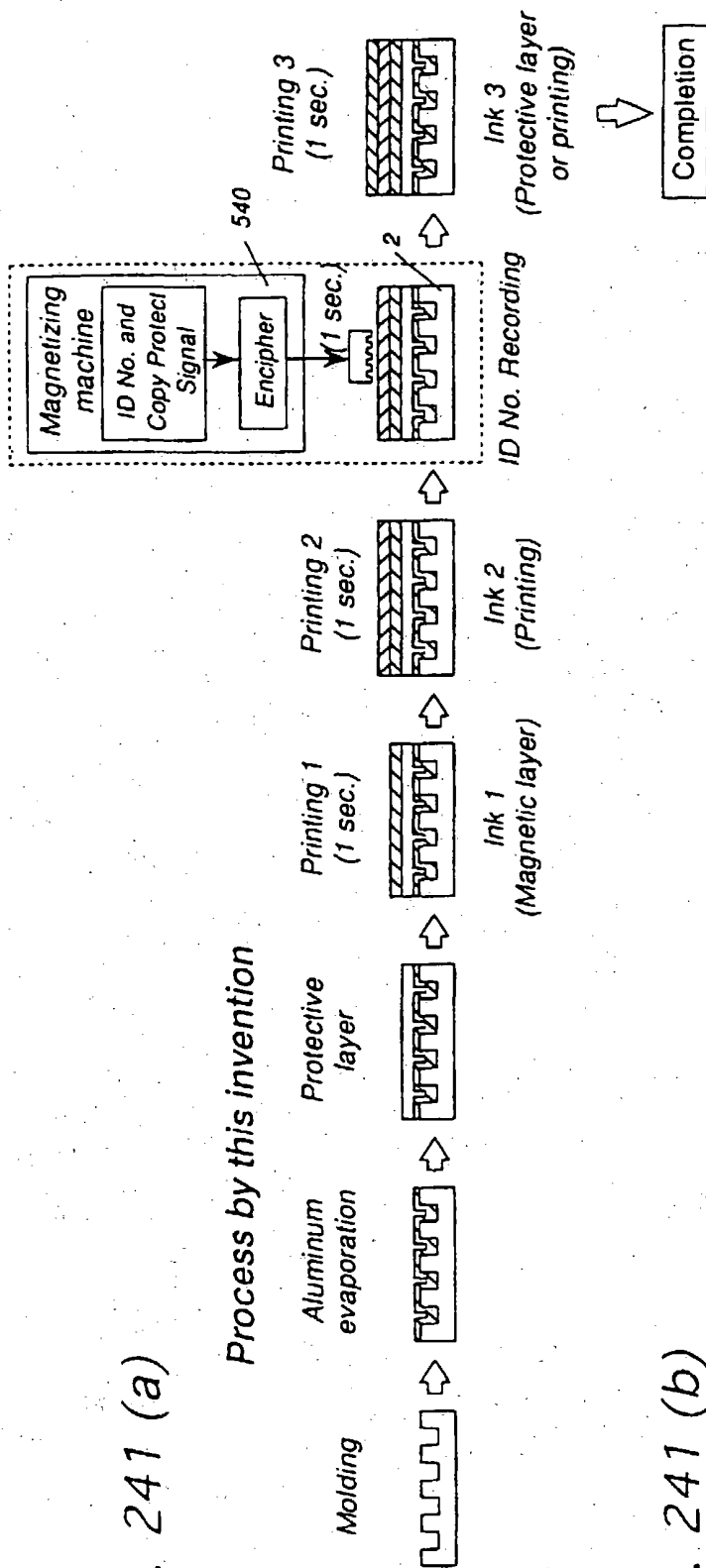
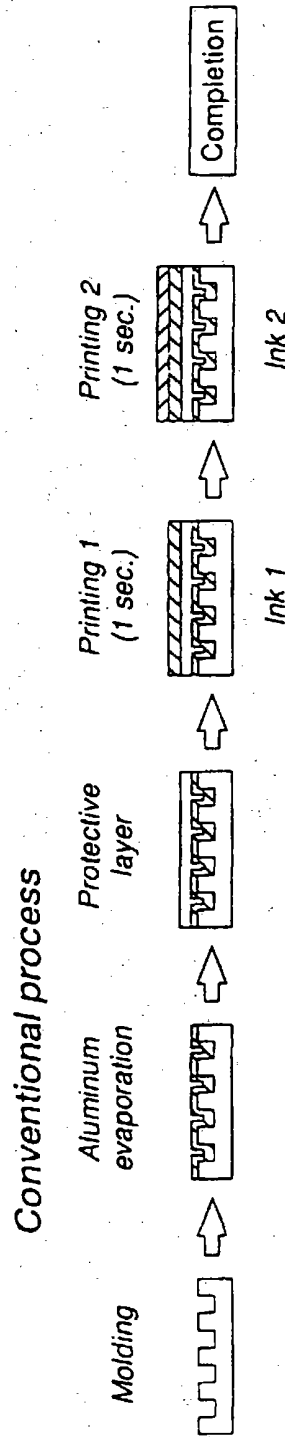


FIG. 241 (b)





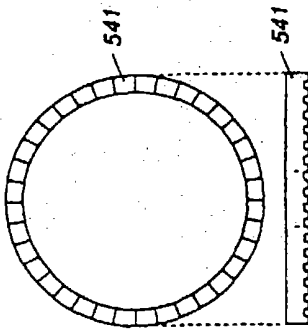


FIG. 242 (a) Top View

FIG. 242 (b) Side View

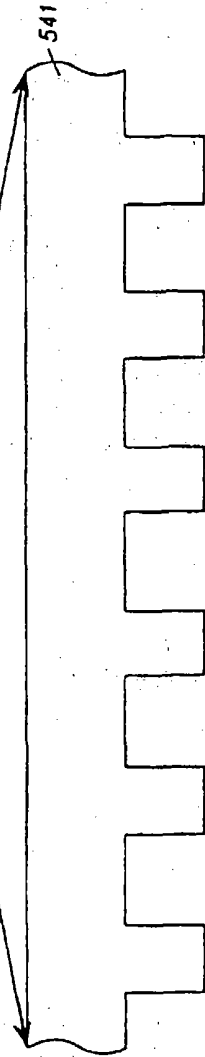


FIG. 242 (c)

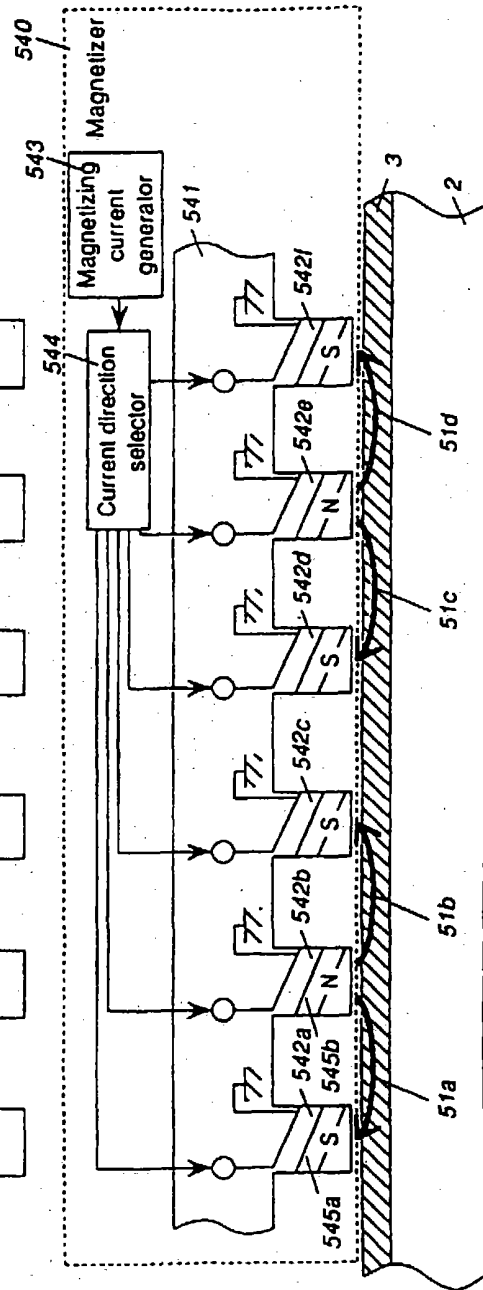
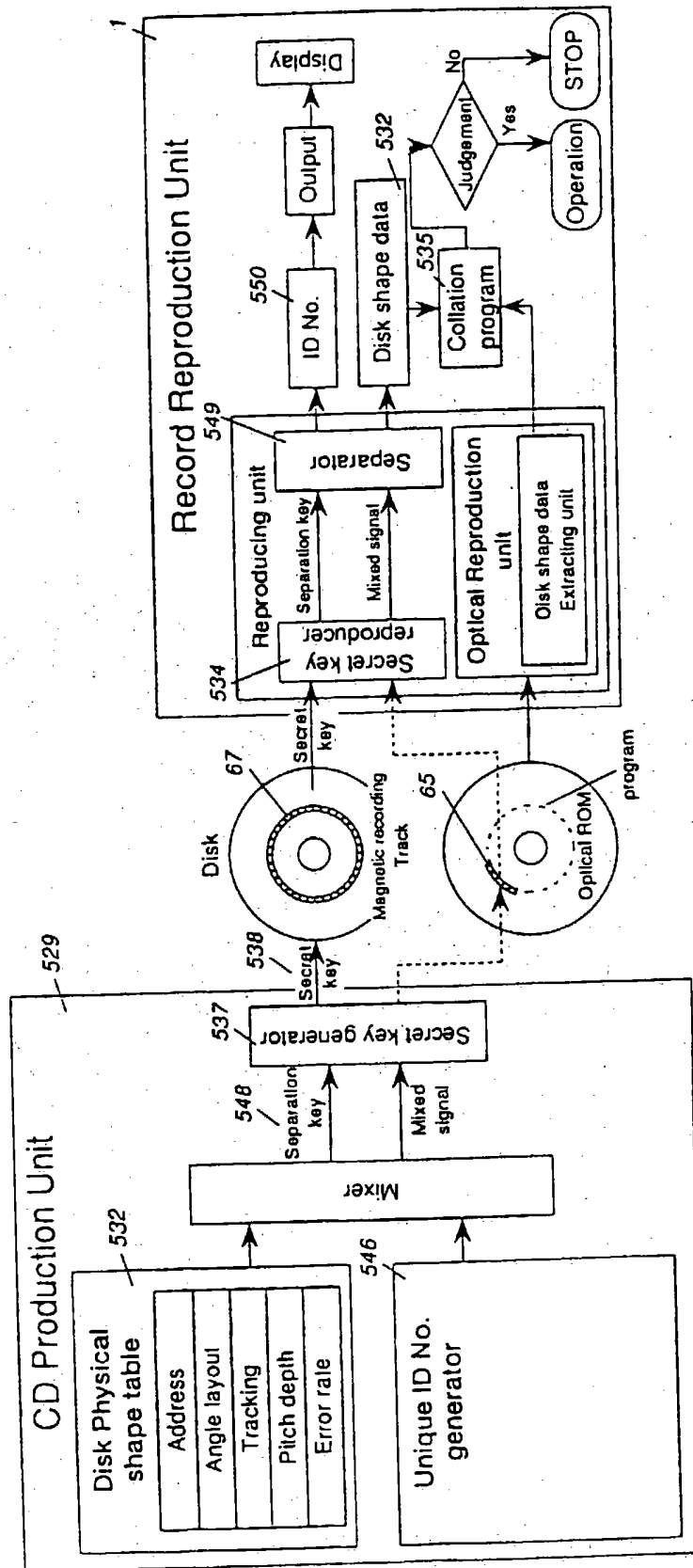


FIG. 242 (d)

FIG. 243



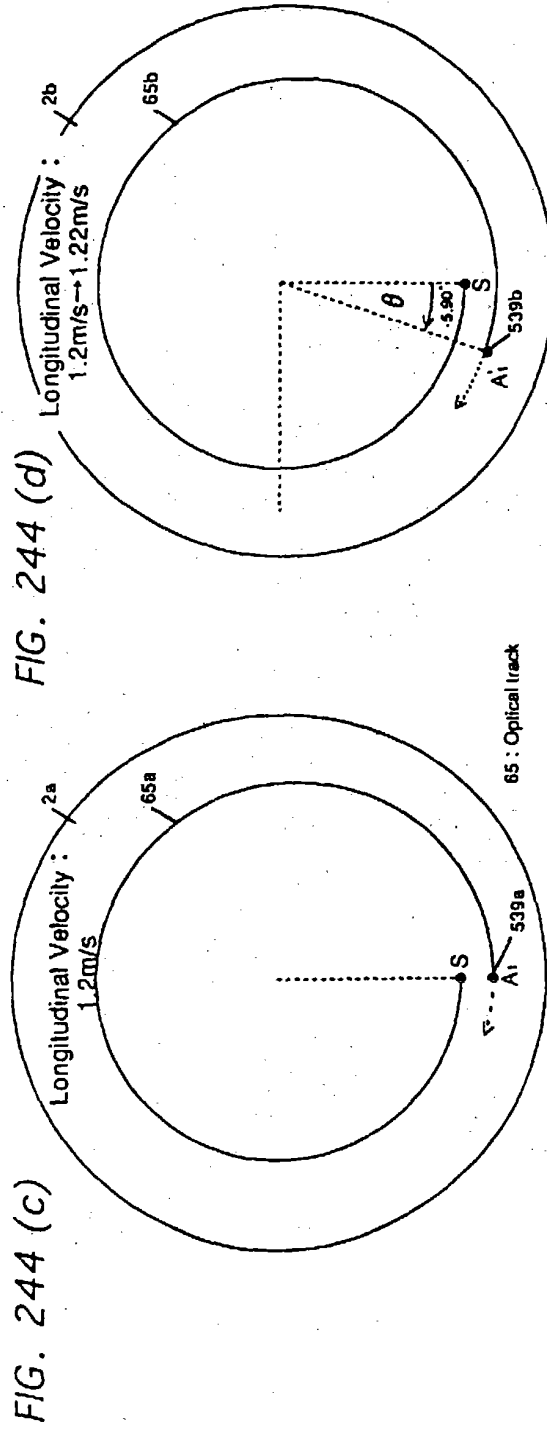
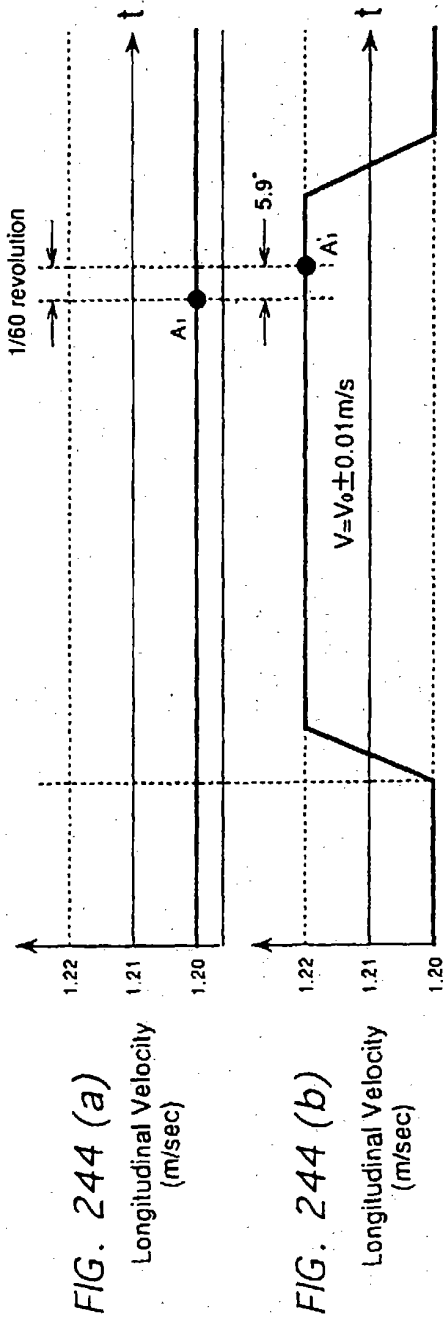


FIG. 245 (a) FIG. 245 (b) FIG. 245 (c) FIG. 245 (d)

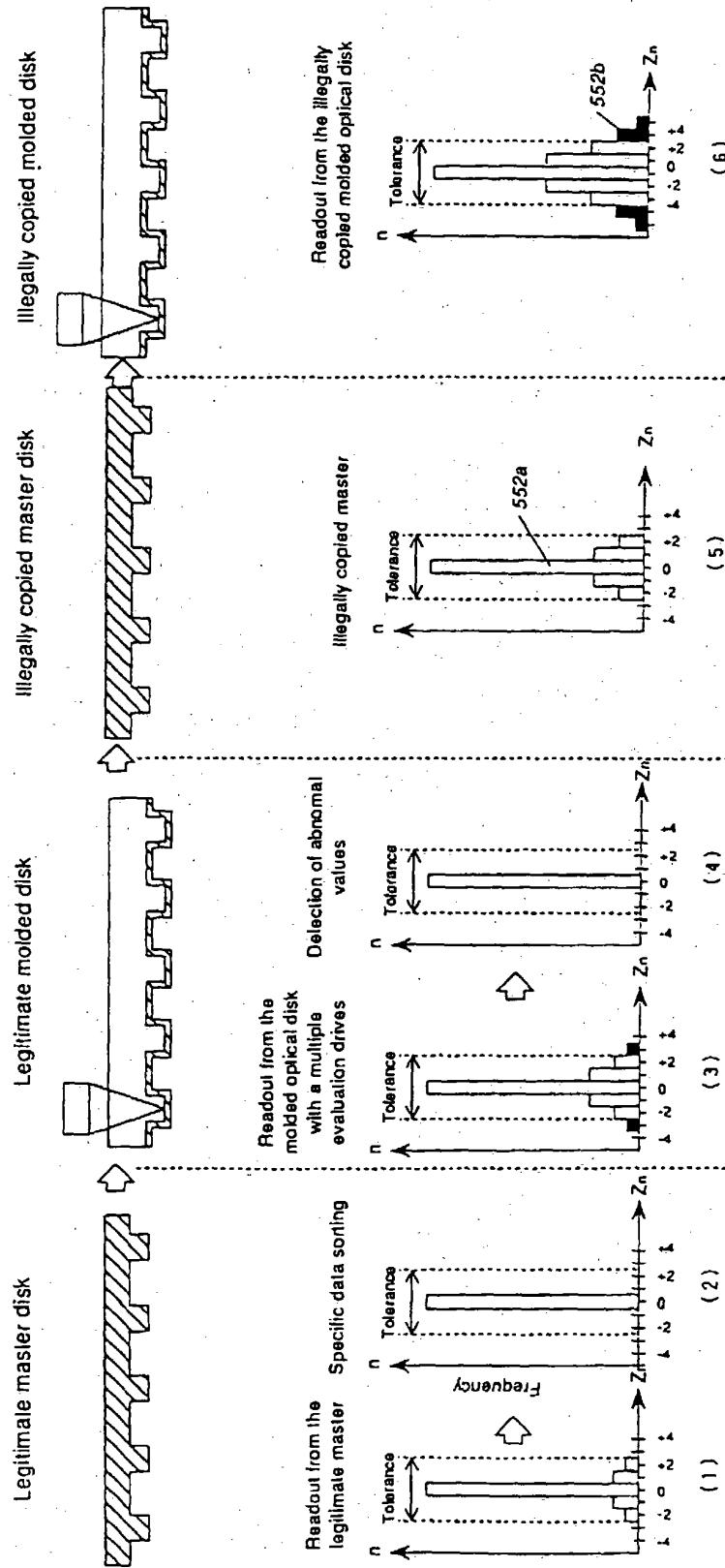
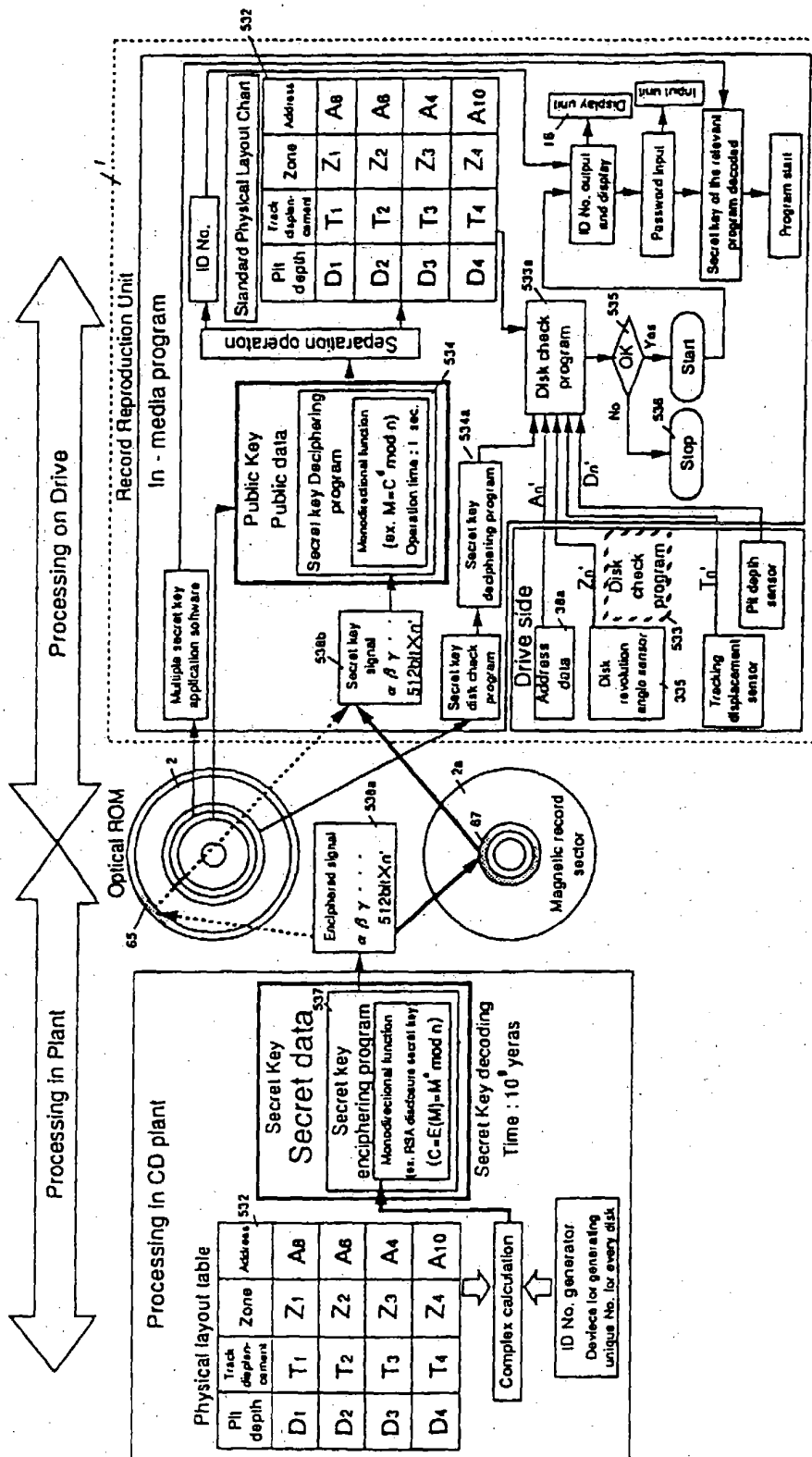


FIG. 246



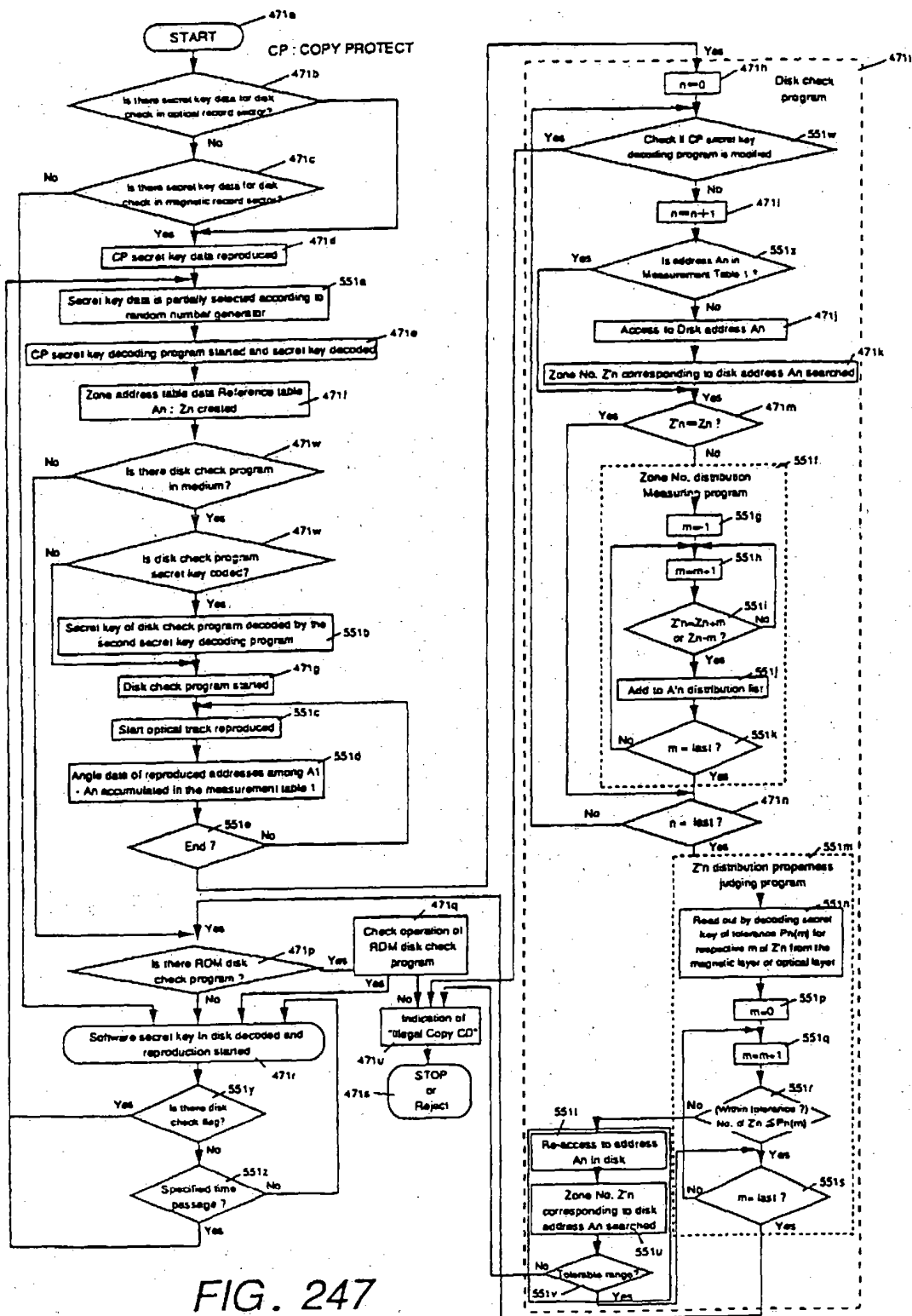


FIG. 248

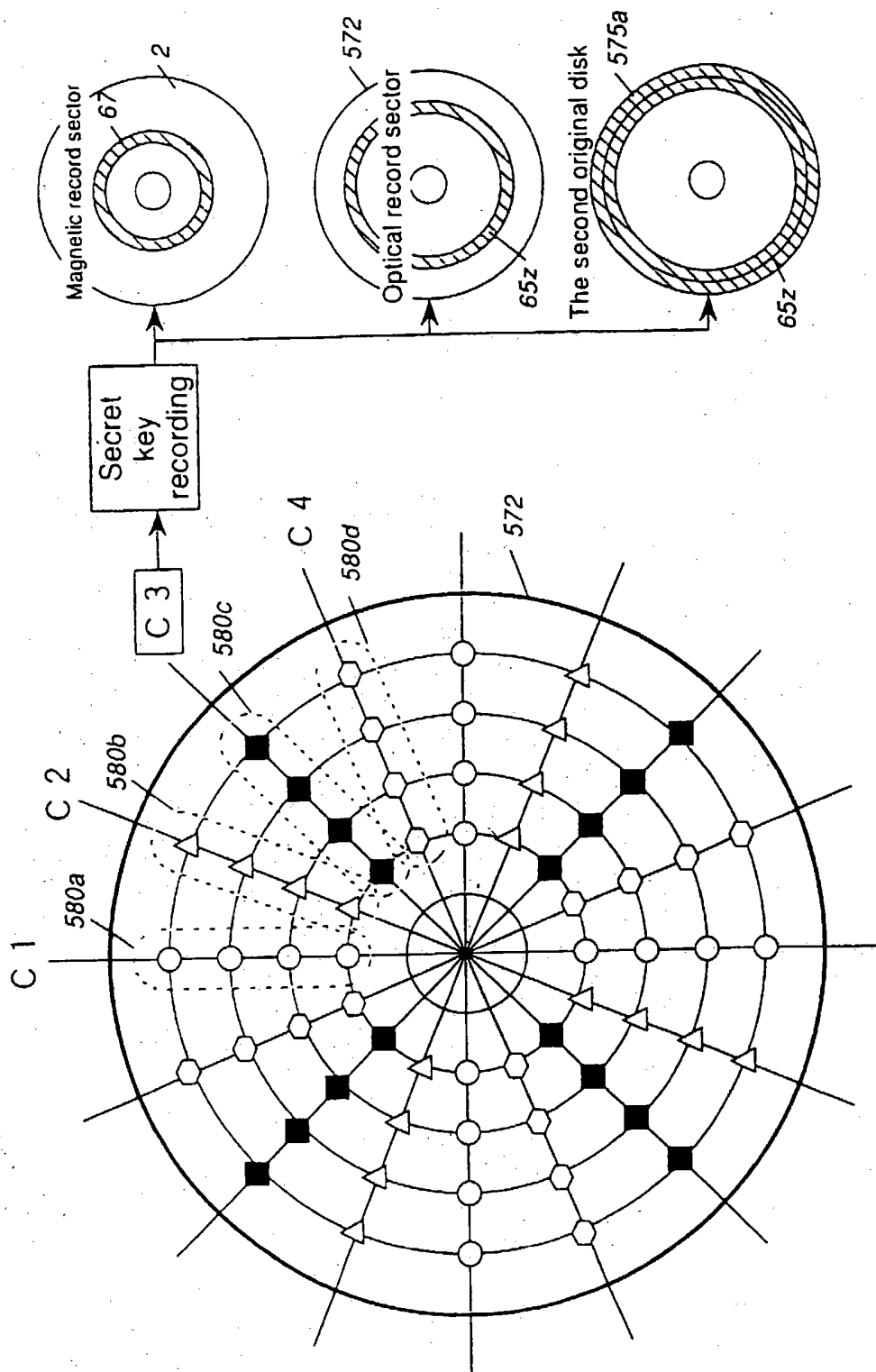
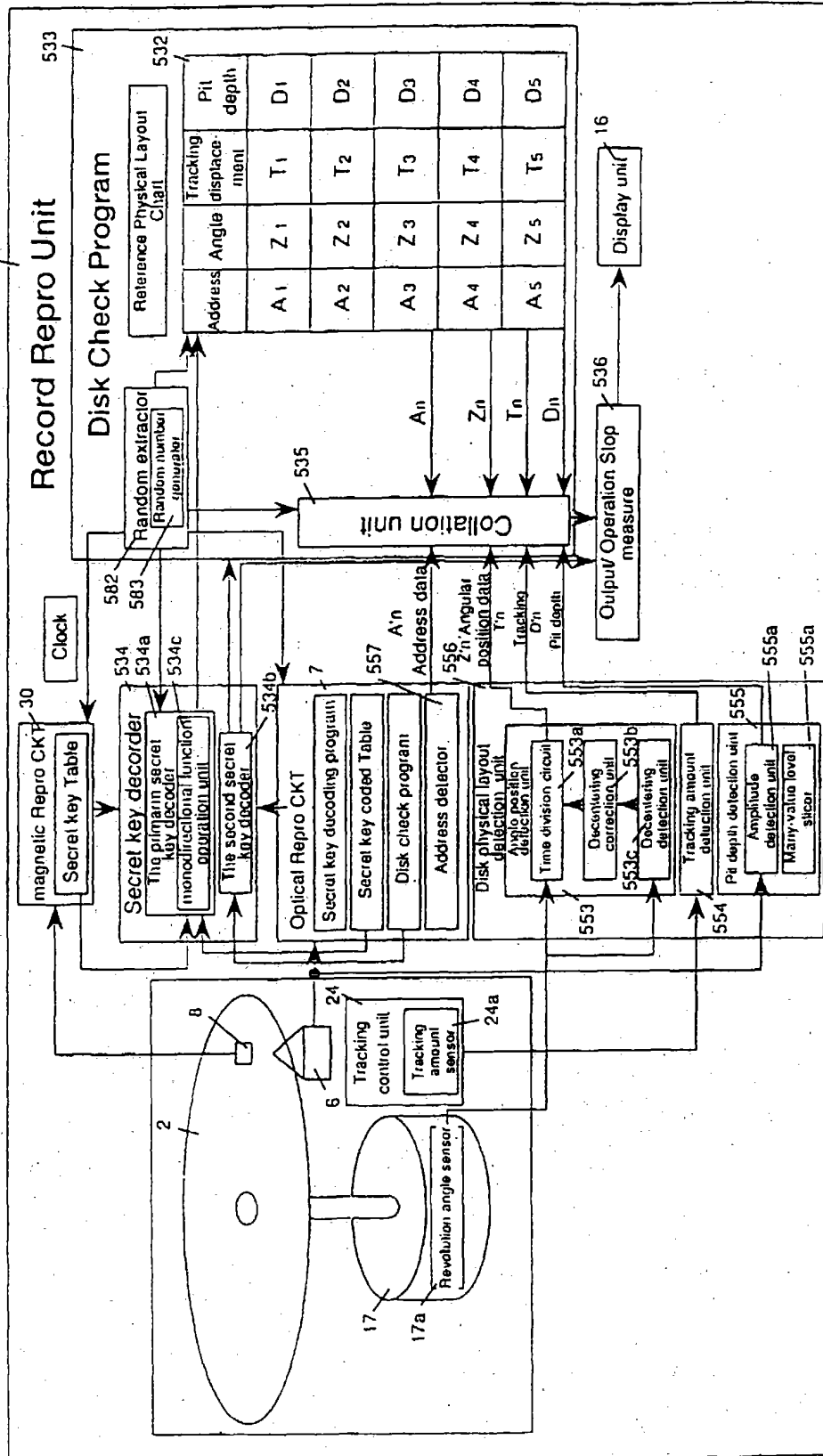


FIG. 249





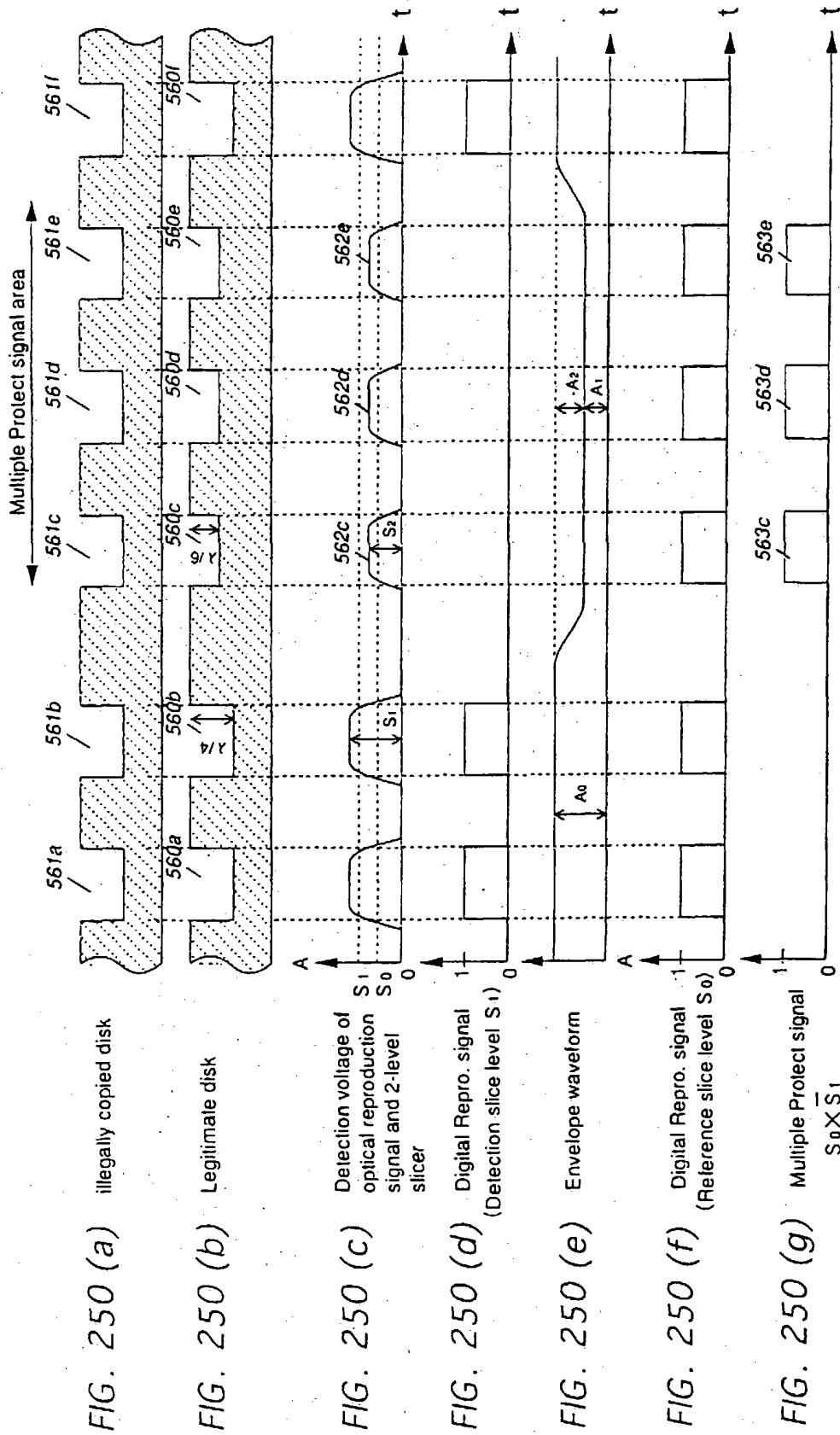


FIG. 251

Measured Disk Physical Layout Table

556a

Address	Angle	Deviation <sub>m</sub>	Quantity
A <sub>n</sub>	Z <sub>n</sub>	0	1 0 0
		± 1	8
		± 2	6
		± 3	3
		± m	

535

Collation  
unit



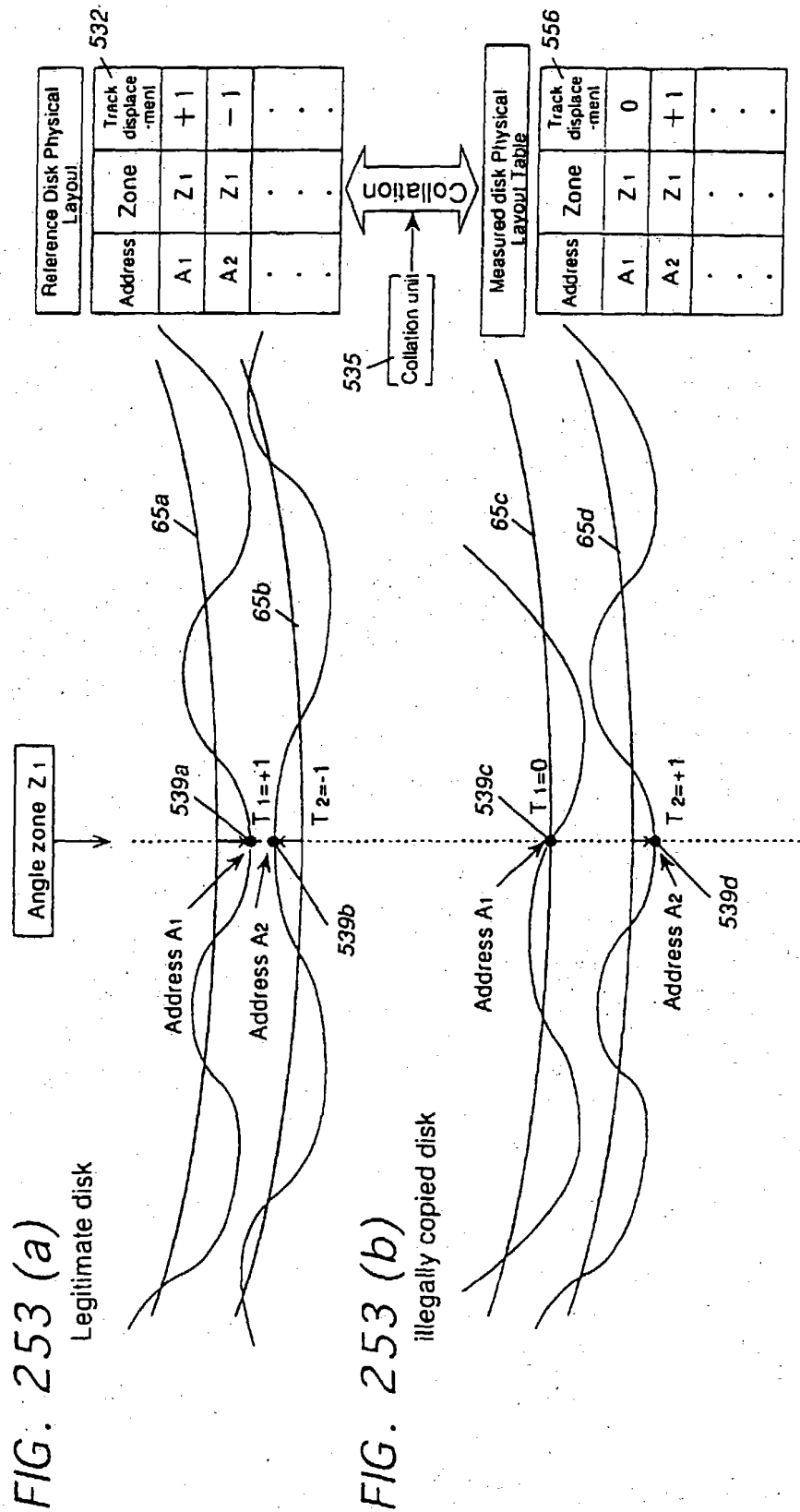
Check

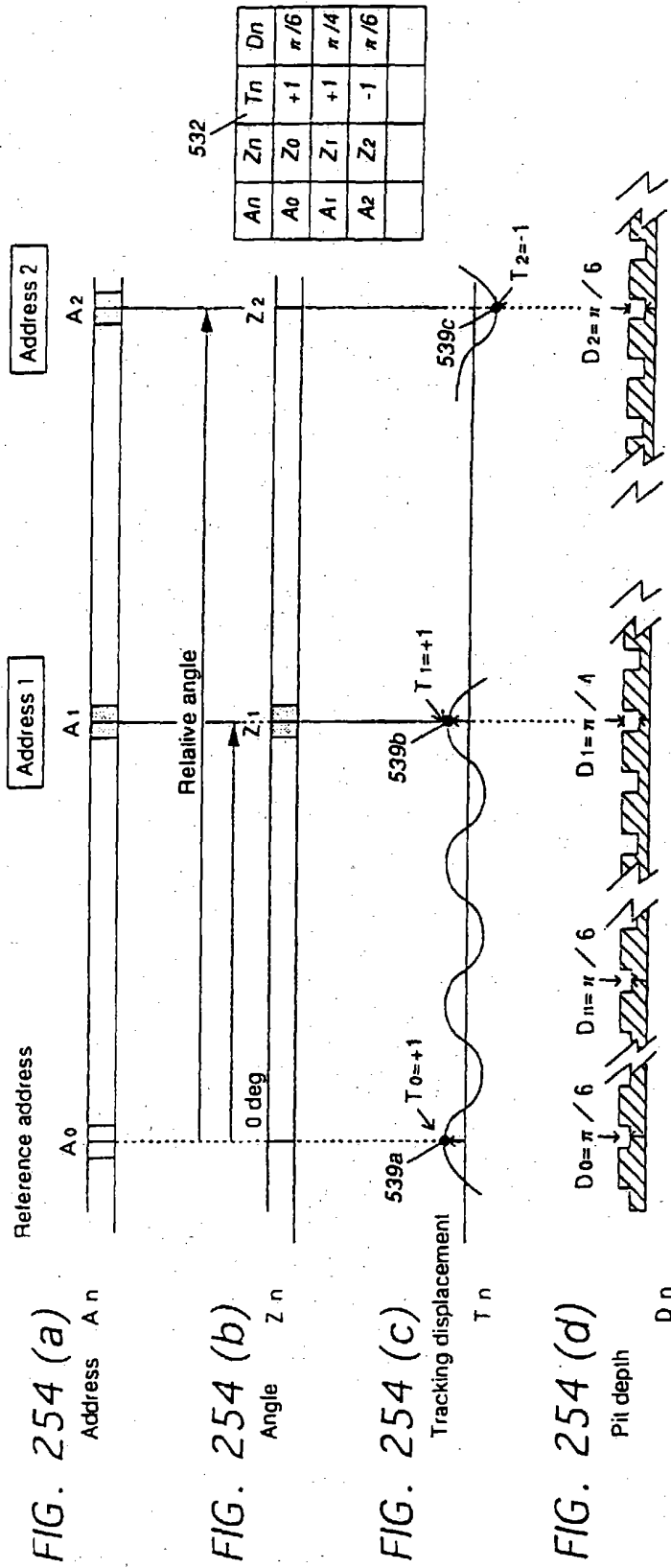
Reference Physical Layout Table

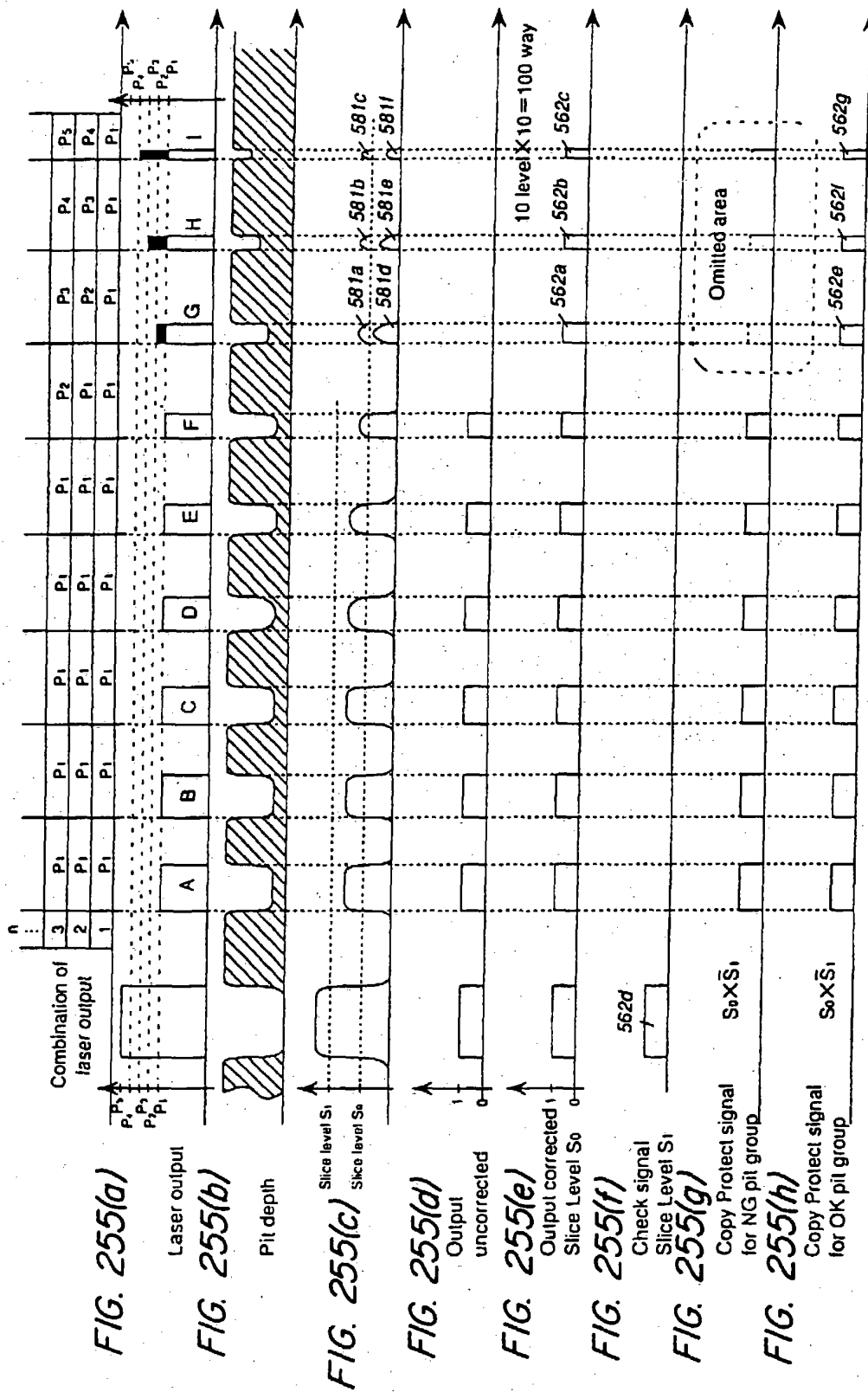
532a

Address	Angle	Deviation <sub>m</sub>	Tolerance
A <sub>n</sub>	Z <sub>n</sub>	0	
		± 1	P <sub>n</sub> (1)
		± 2	P <sub>n</sub> (2)
		± 3	P <sub>n</sub> (3)
		± m	P <sub>n</sub> (m)









Effect of Original Copy Protect given to Master disk production equipment

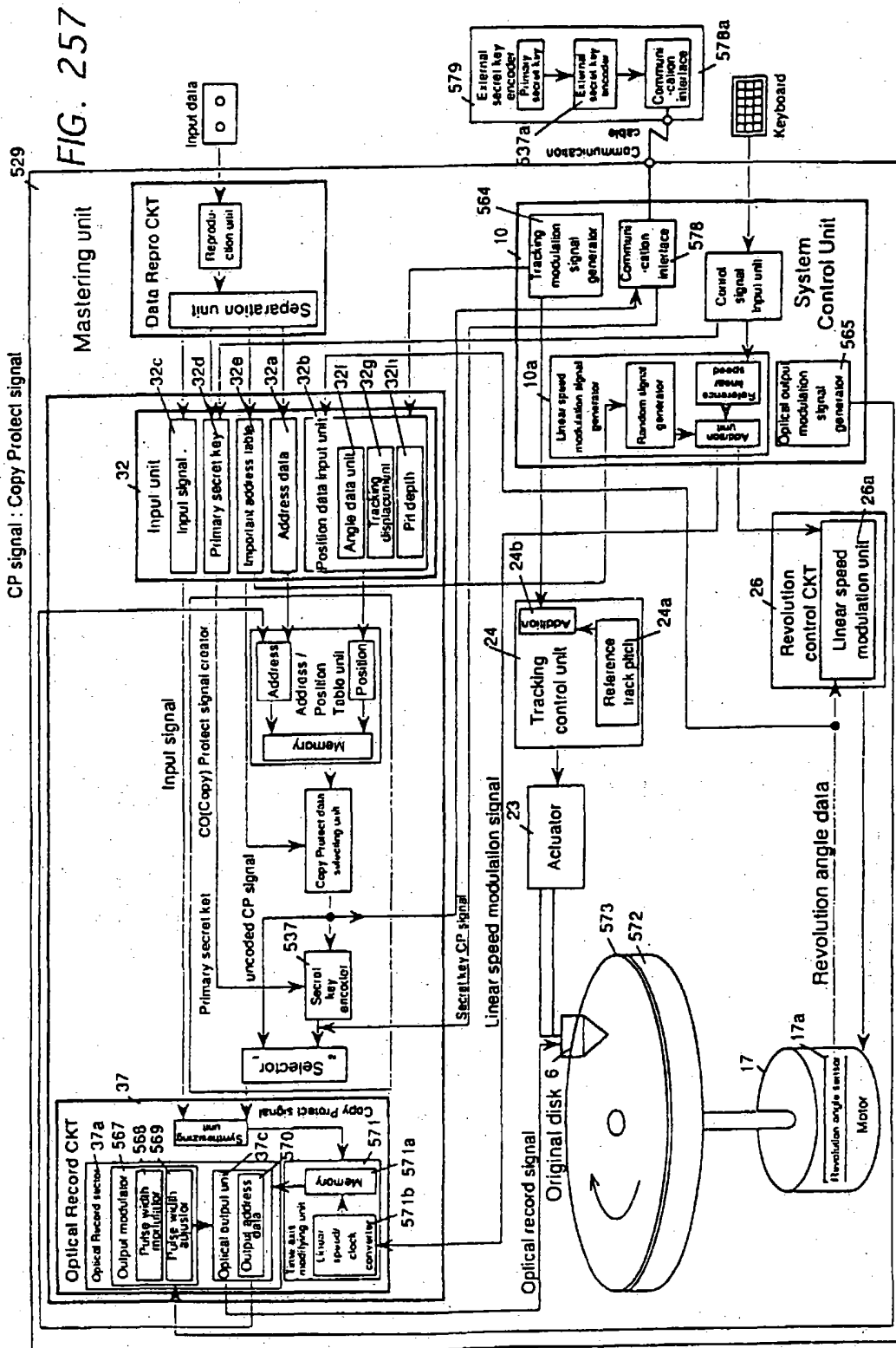
FIG. 256

Copy Protect Method									
Master disk production equipment		A only	B only	C only	A + B	B + C	A + C	A + B + C	
		Angular direction	Tracking direction	Depth direction	Angle X Address Angle X Tracking	Tracking X Address Depth X Address	Angle X Address Angle X Depth		
Existing CD manufacturing equipment	Standard	○	○	○	○	○	○	○	○
	Minor remodeling	△	○	○	○	○	○	○	○
Existing MD/CD manufacturing equipment	Standard	○	△	○	○	○	○	○	○
	Minor remodeling	△	○	○	△	○	○	○	○
LD/CD manufacturing equipment	Standard	○	○	○	○	○	○	○	○
	Minor remodeling	△	○	○	○	○	○	○	○
LD/CD/MD manufacturing equipment	Standard	○	△	○	○	○	○	○	○
	Minor remodeling	△	○	○	△	○	○	○	○
Record Enabling type optical disk manufacturing equipment	Standard	△	△	△	△	△	△	△	△
	Minor remodeling	×	×	△	×	△	△	△	△

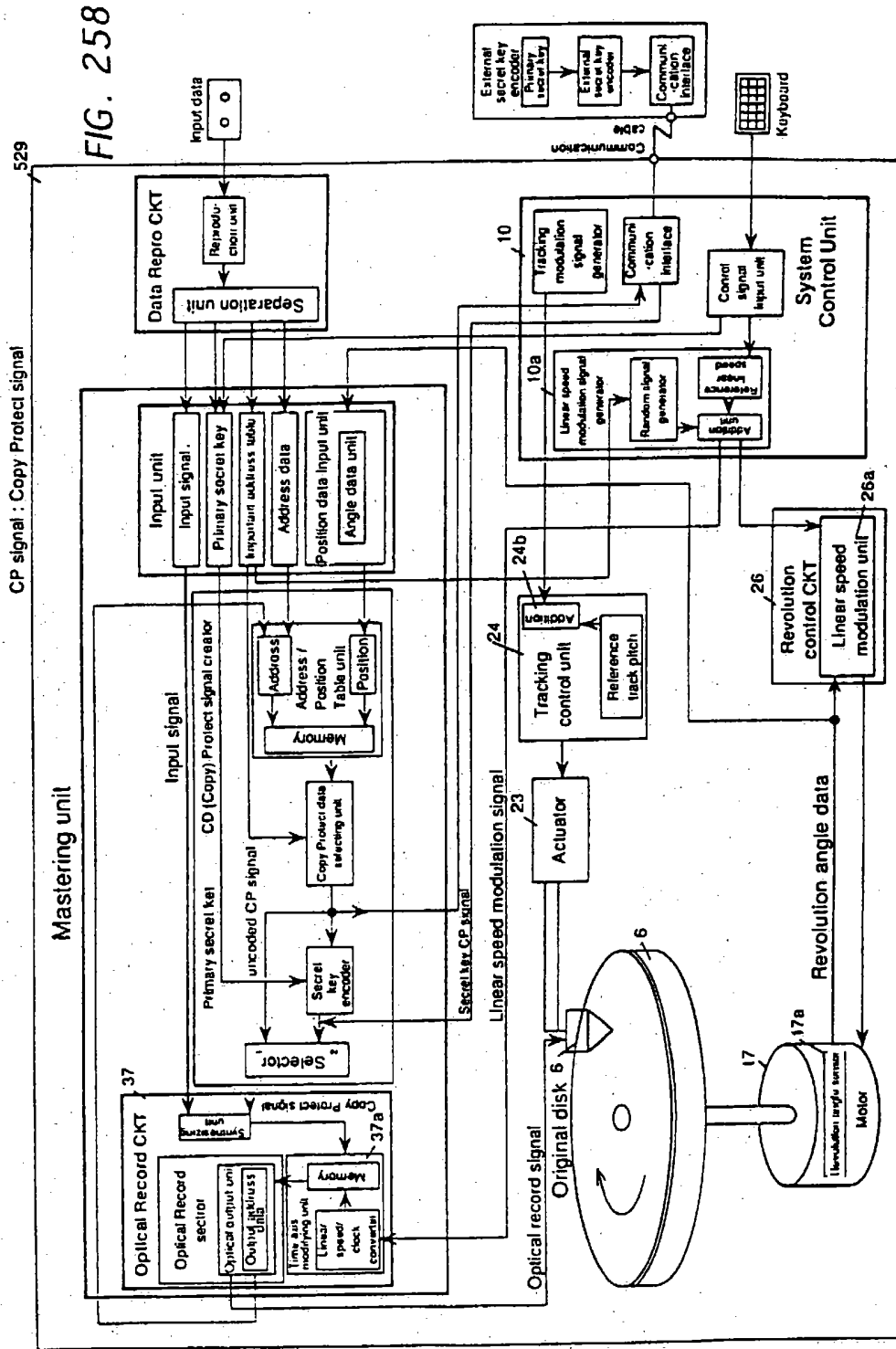
ROM Original Disk production equipment

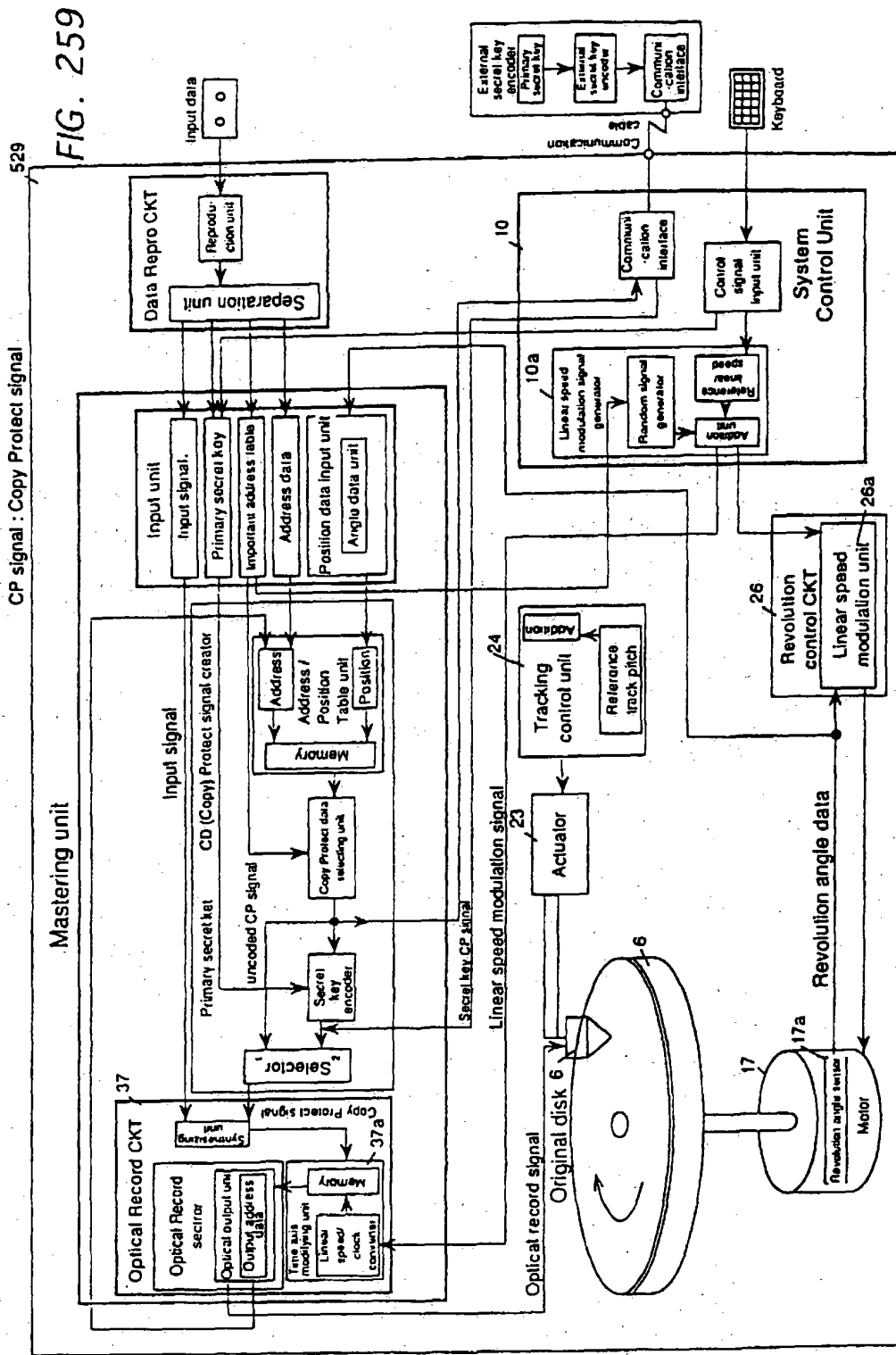
-16. 236

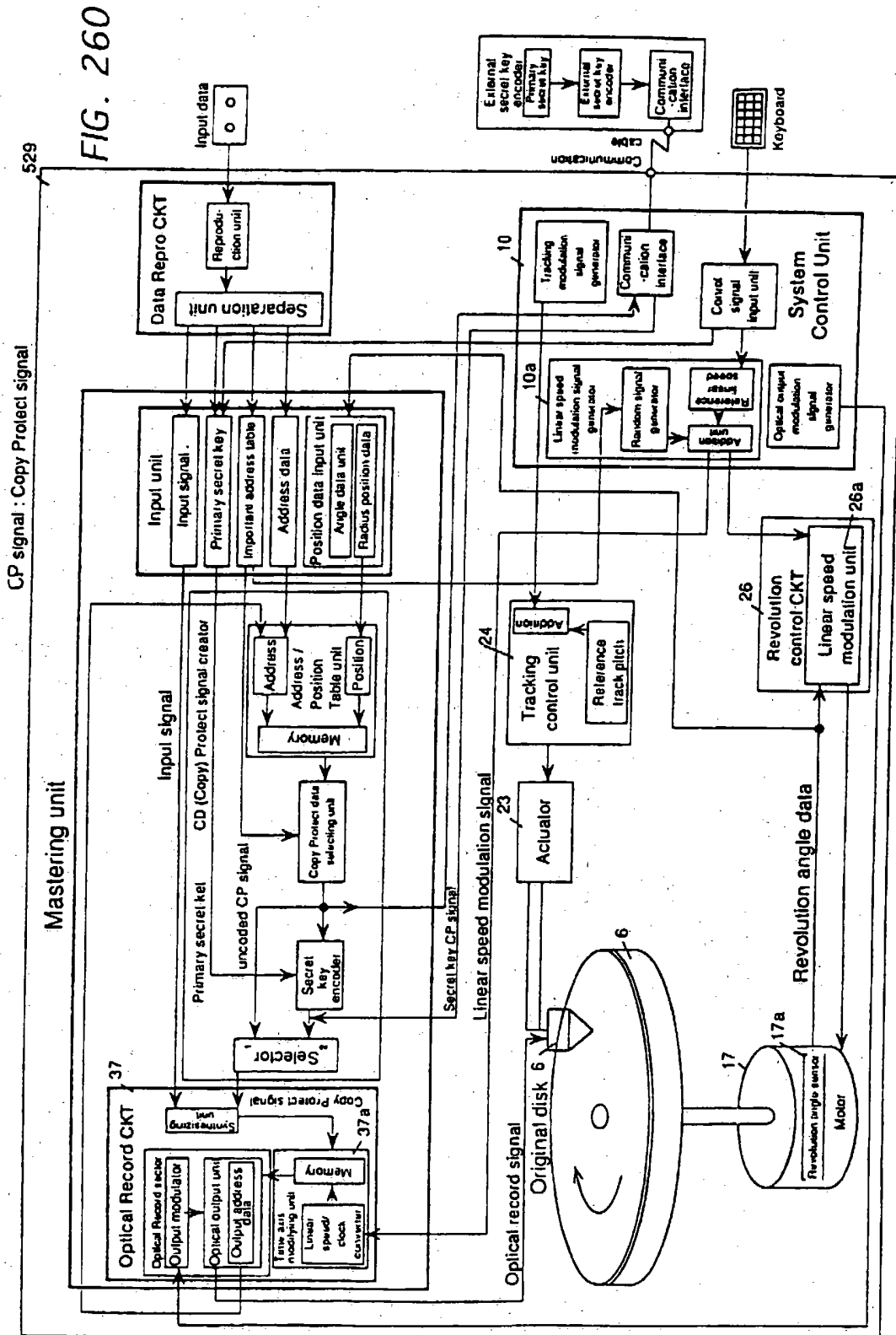
ROM Original Disk production equipment











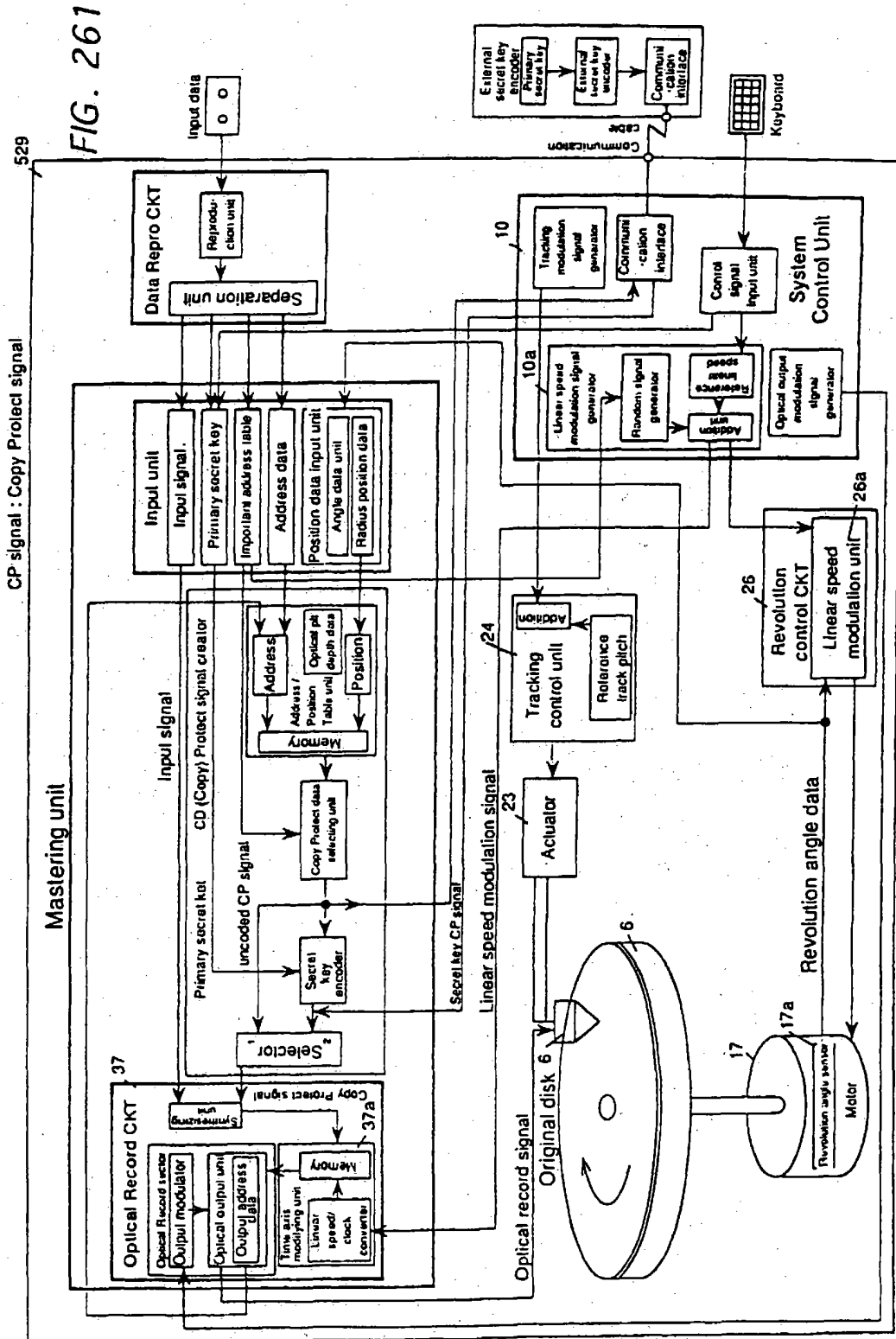
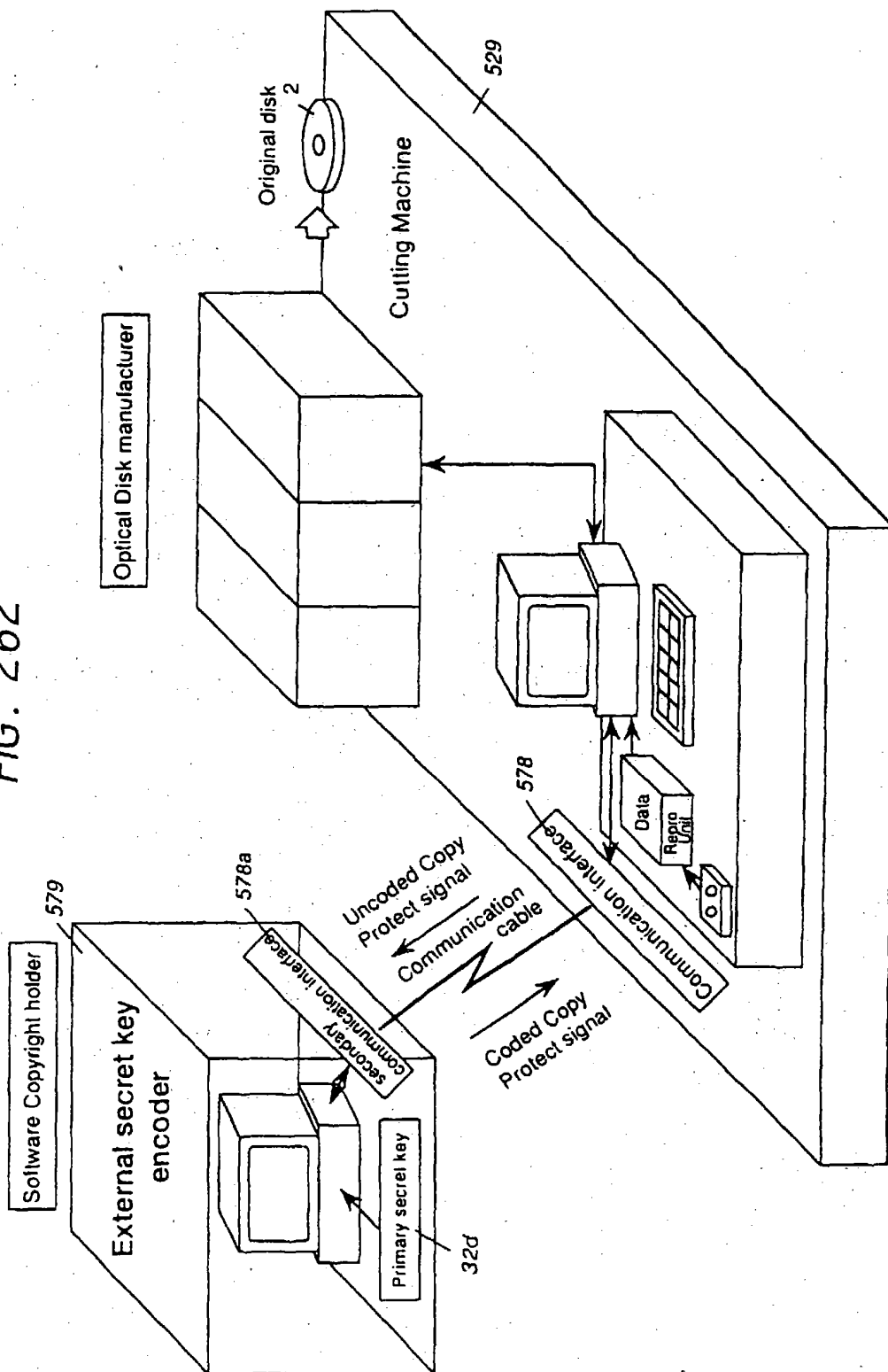
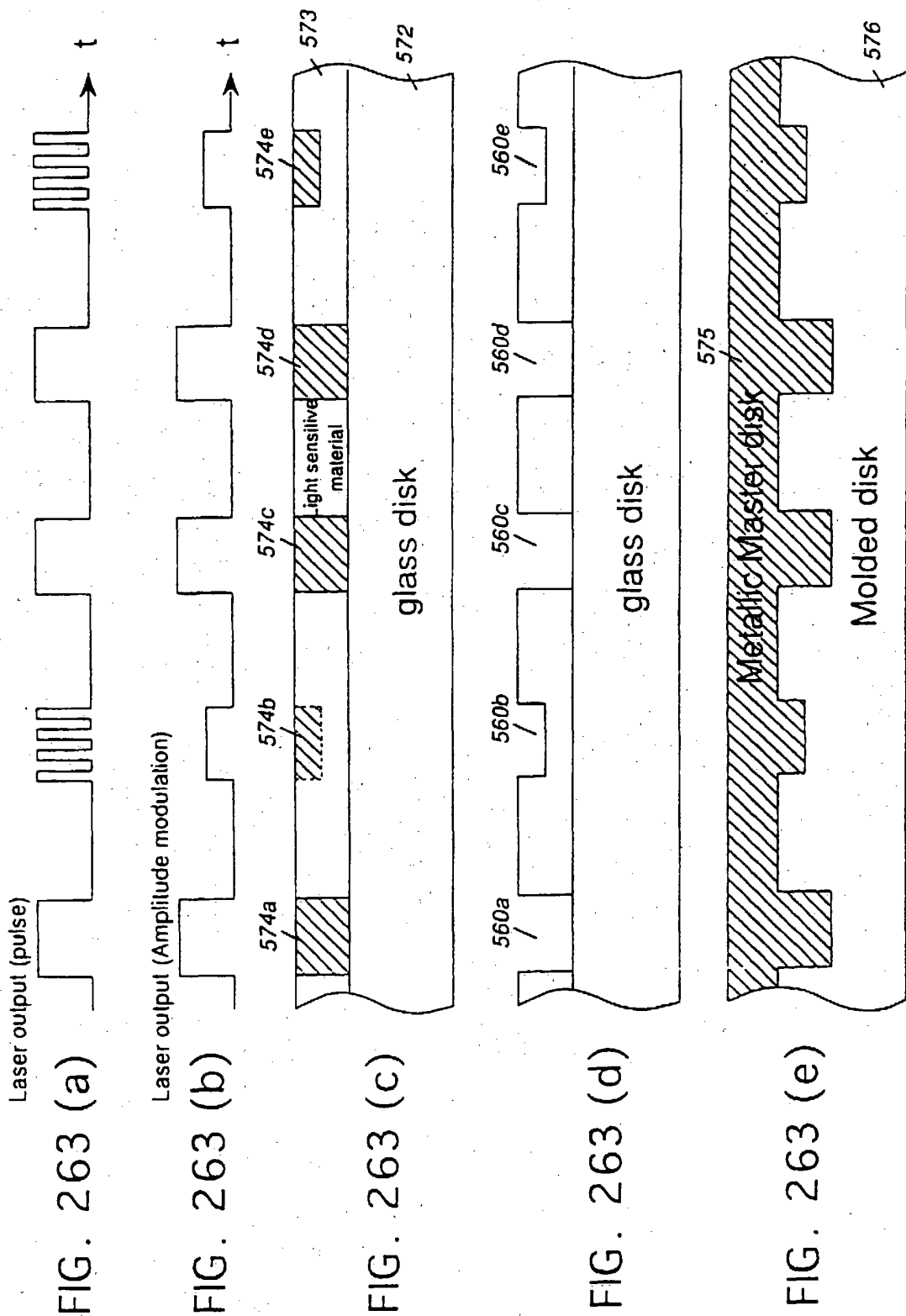
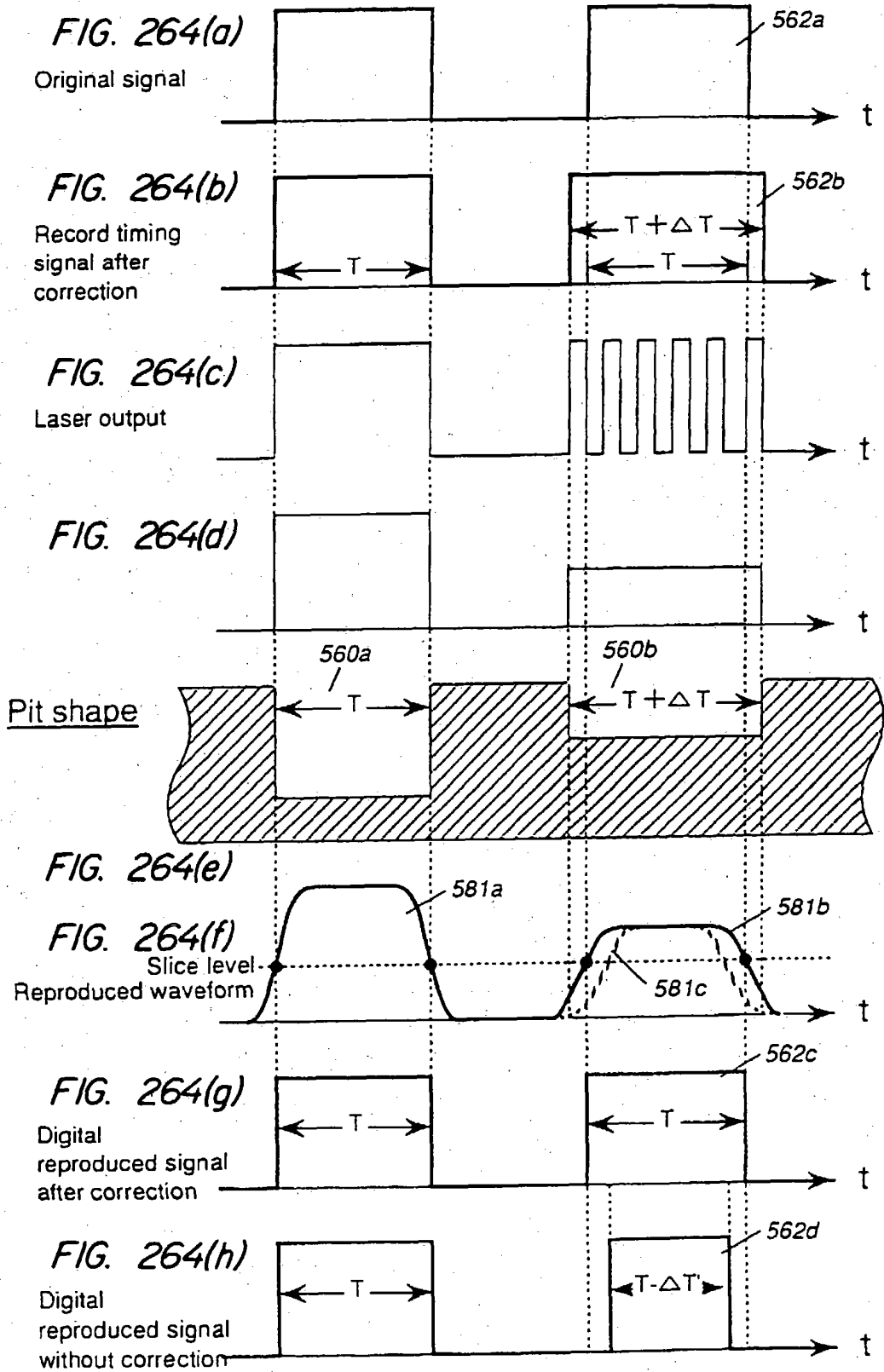


FIG. 262







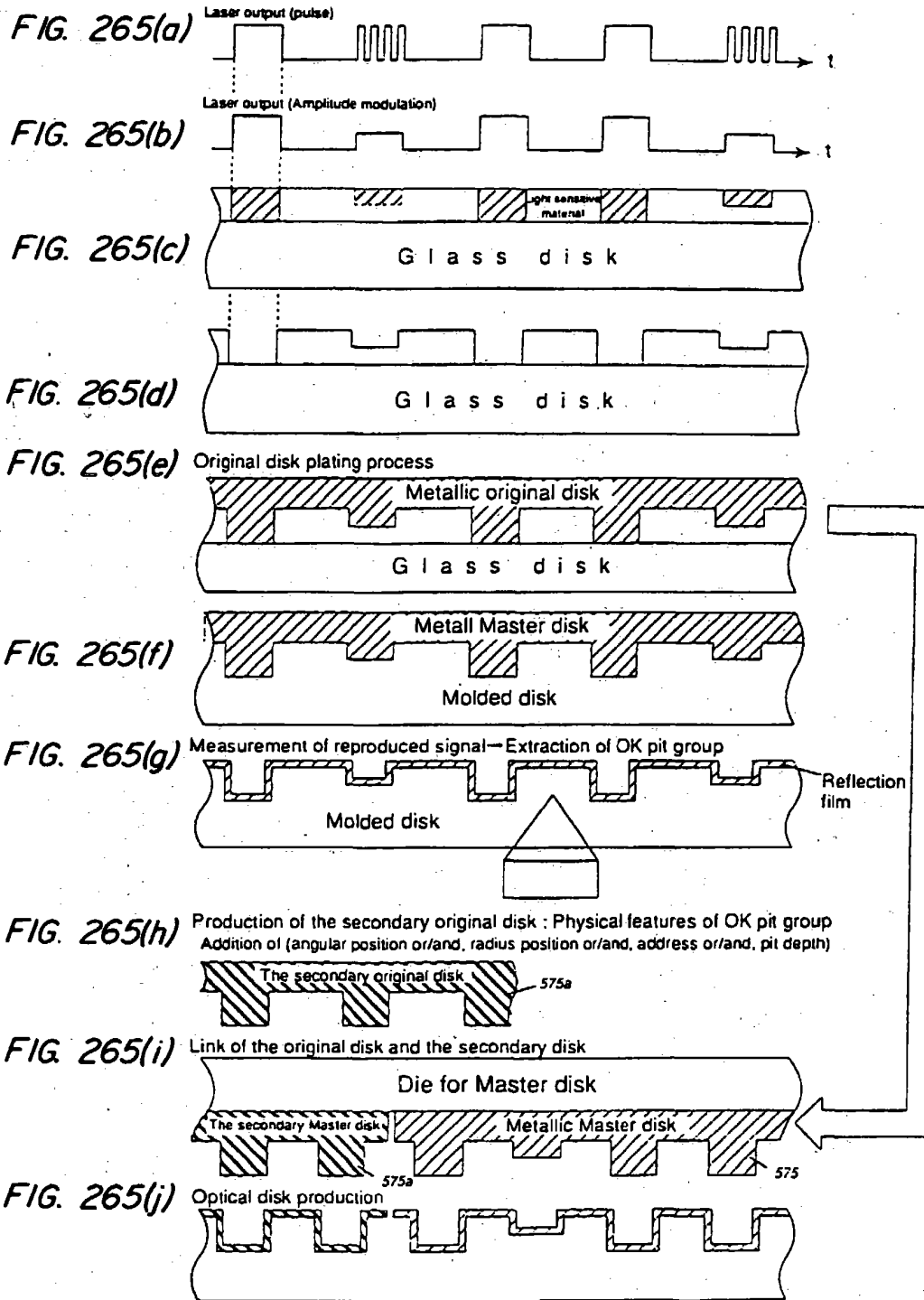




FIG. 266 (a)

Two-Master Disk  
method

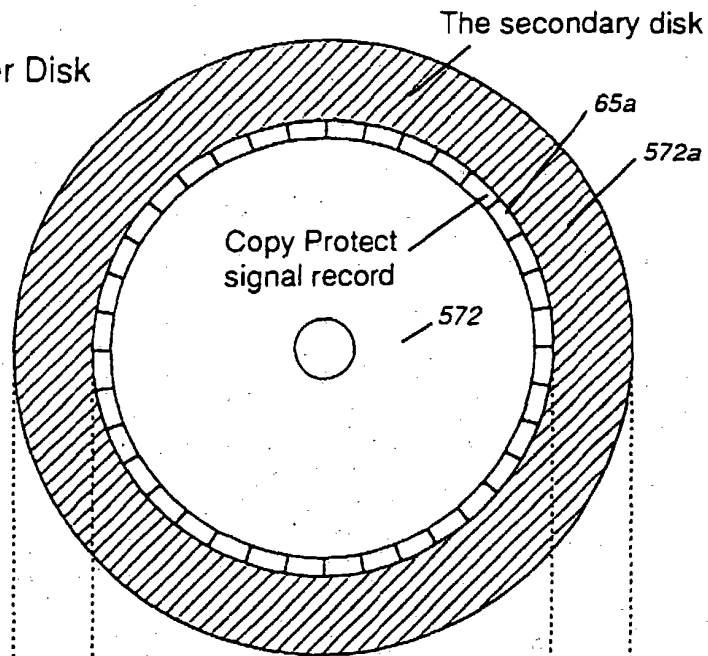
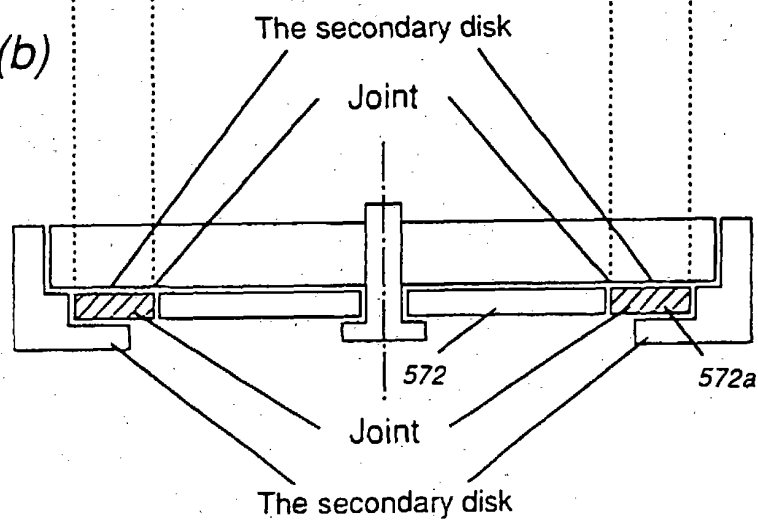


FIG. 266 (b)



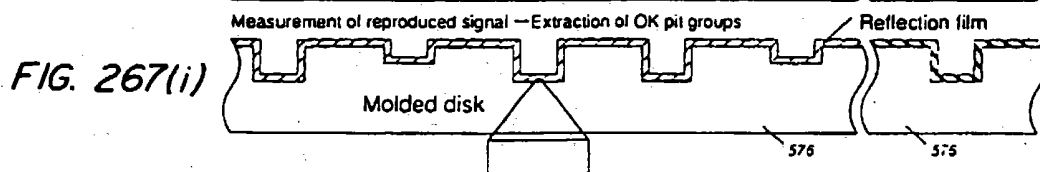
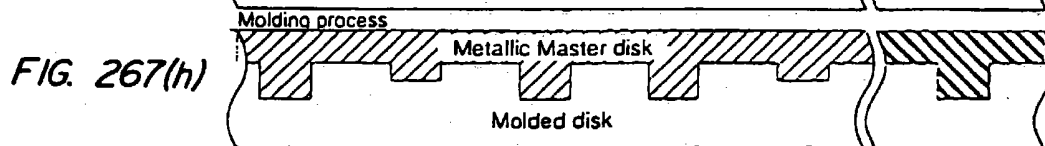
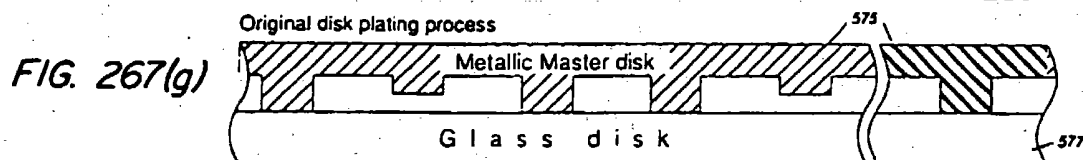
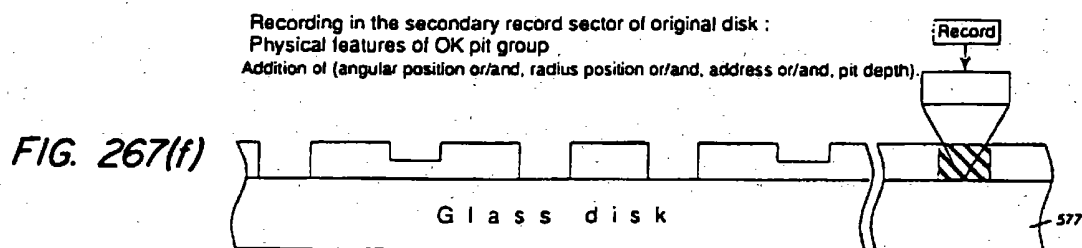
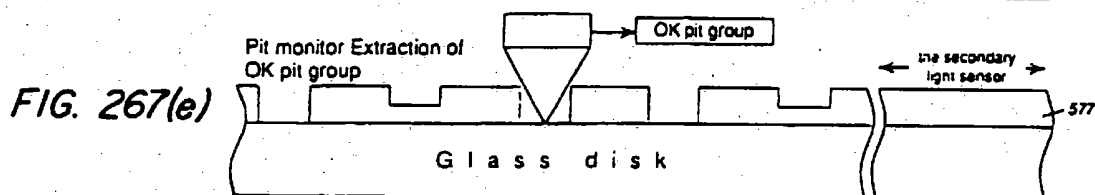
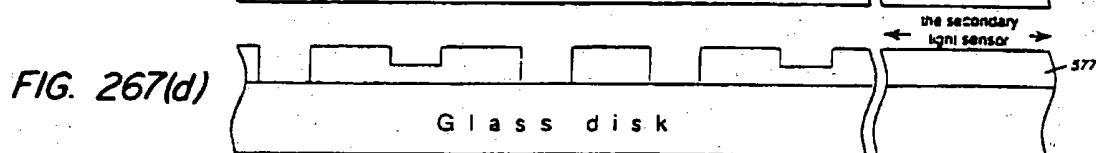
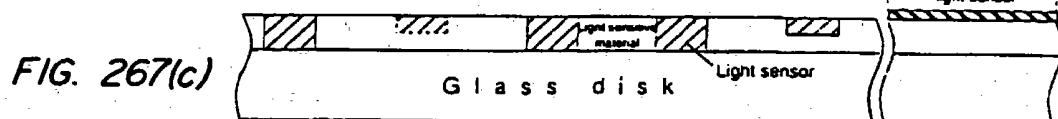
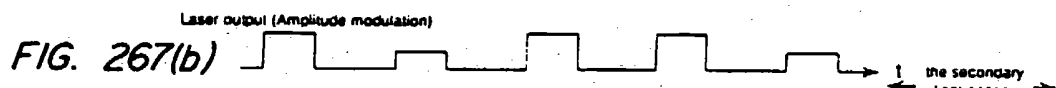


FIG. 268(a)

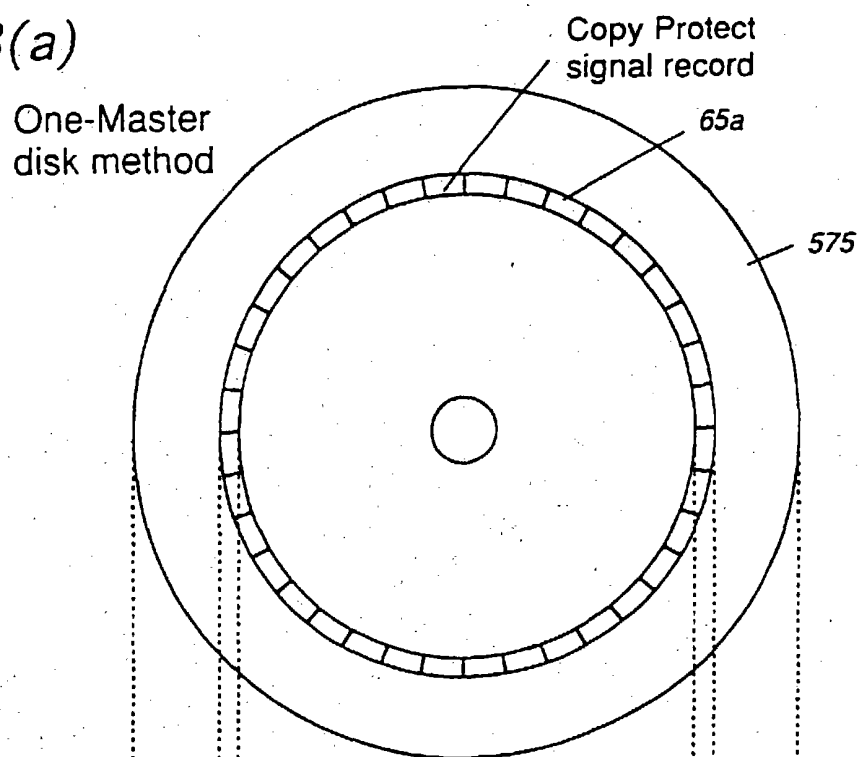


FIG. 268(b)

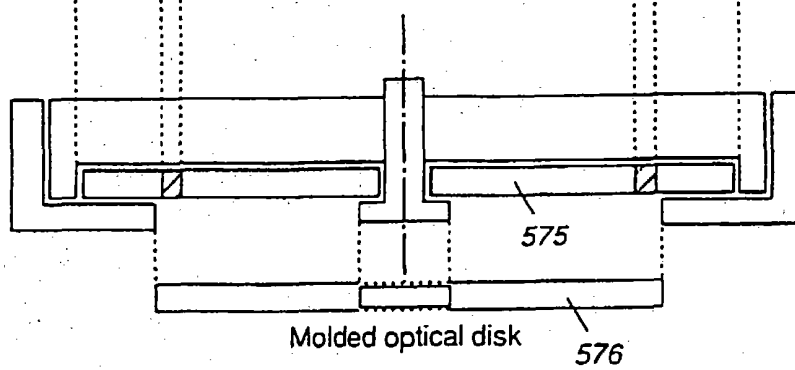


FIG. 269

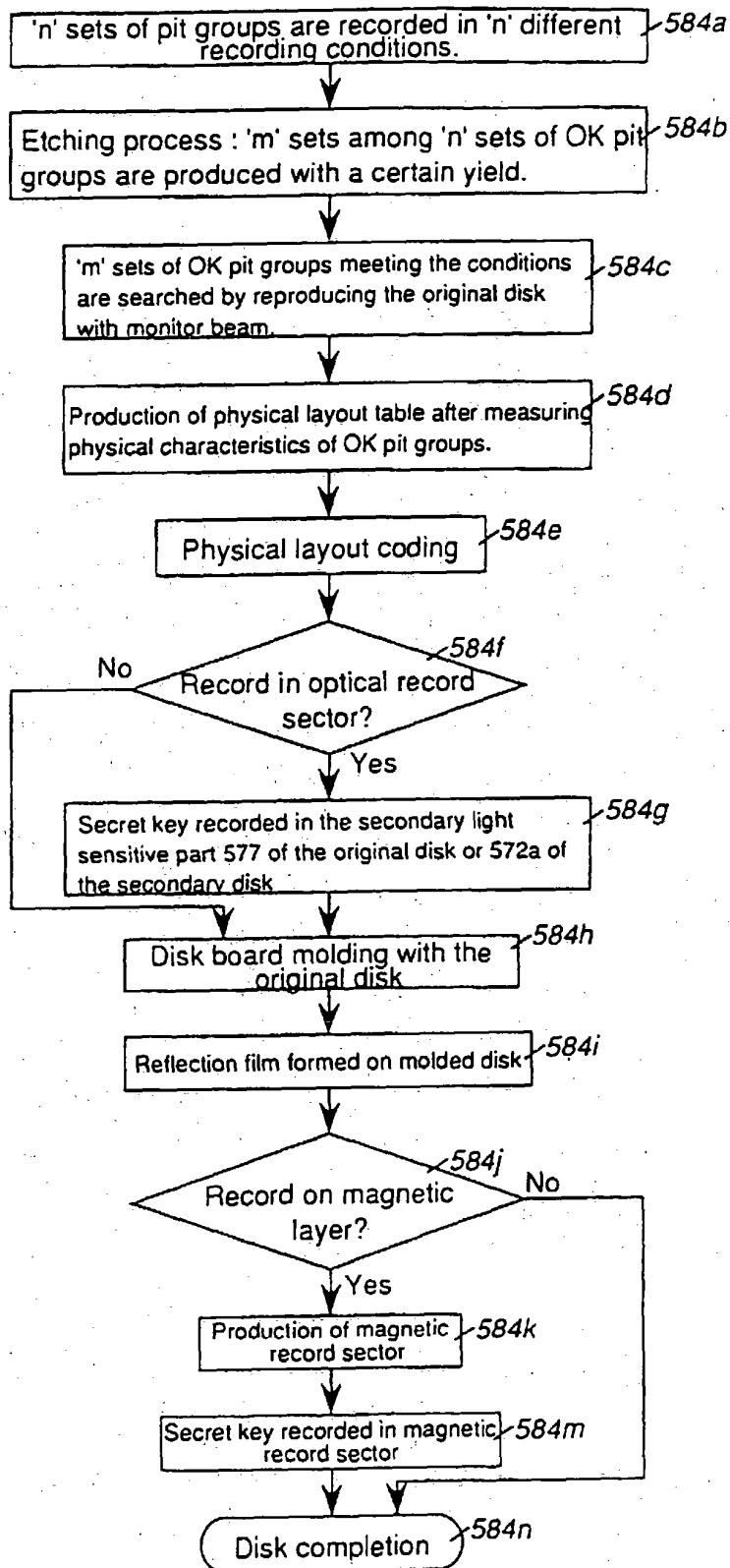


FIG. 270

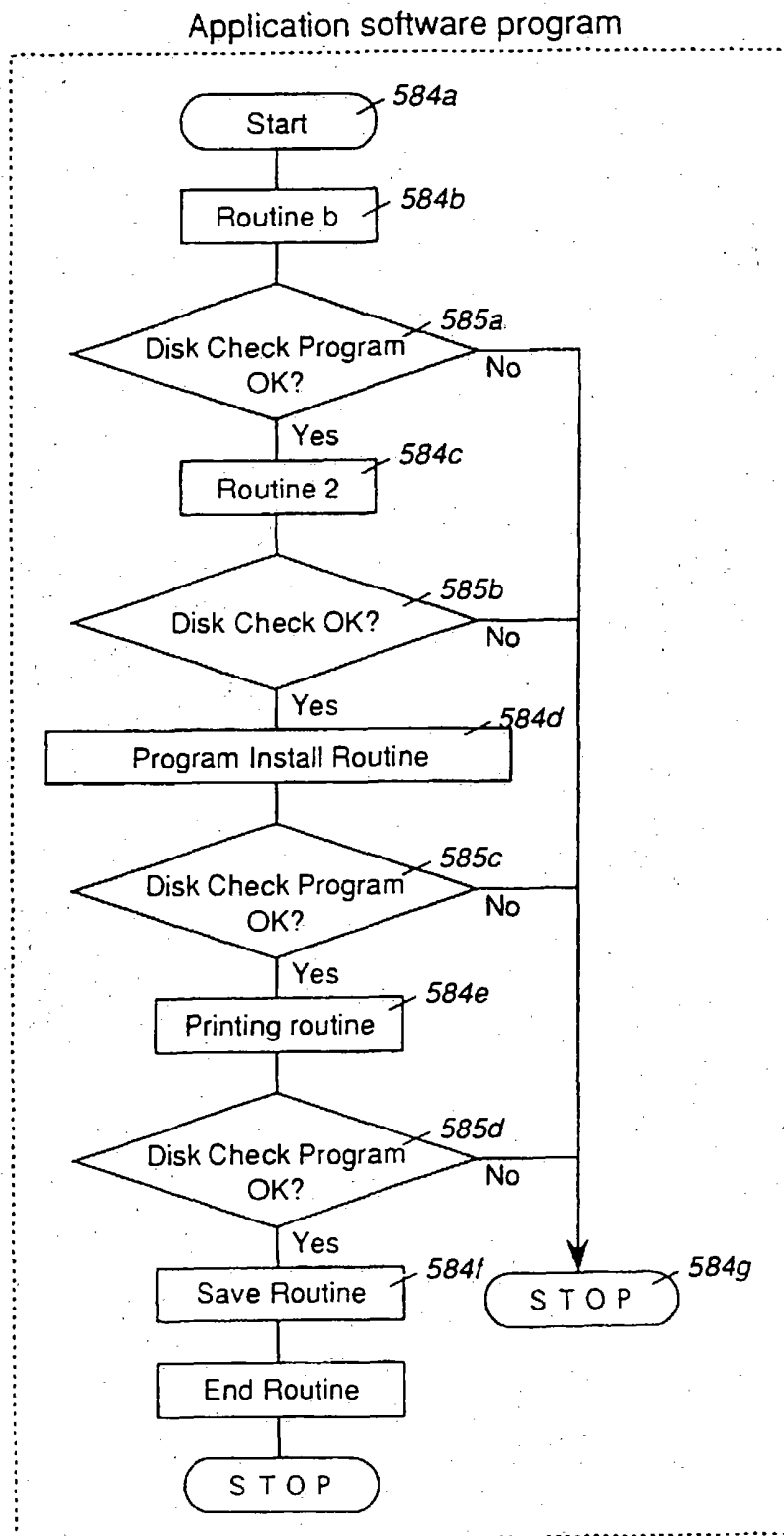


Fig. 271

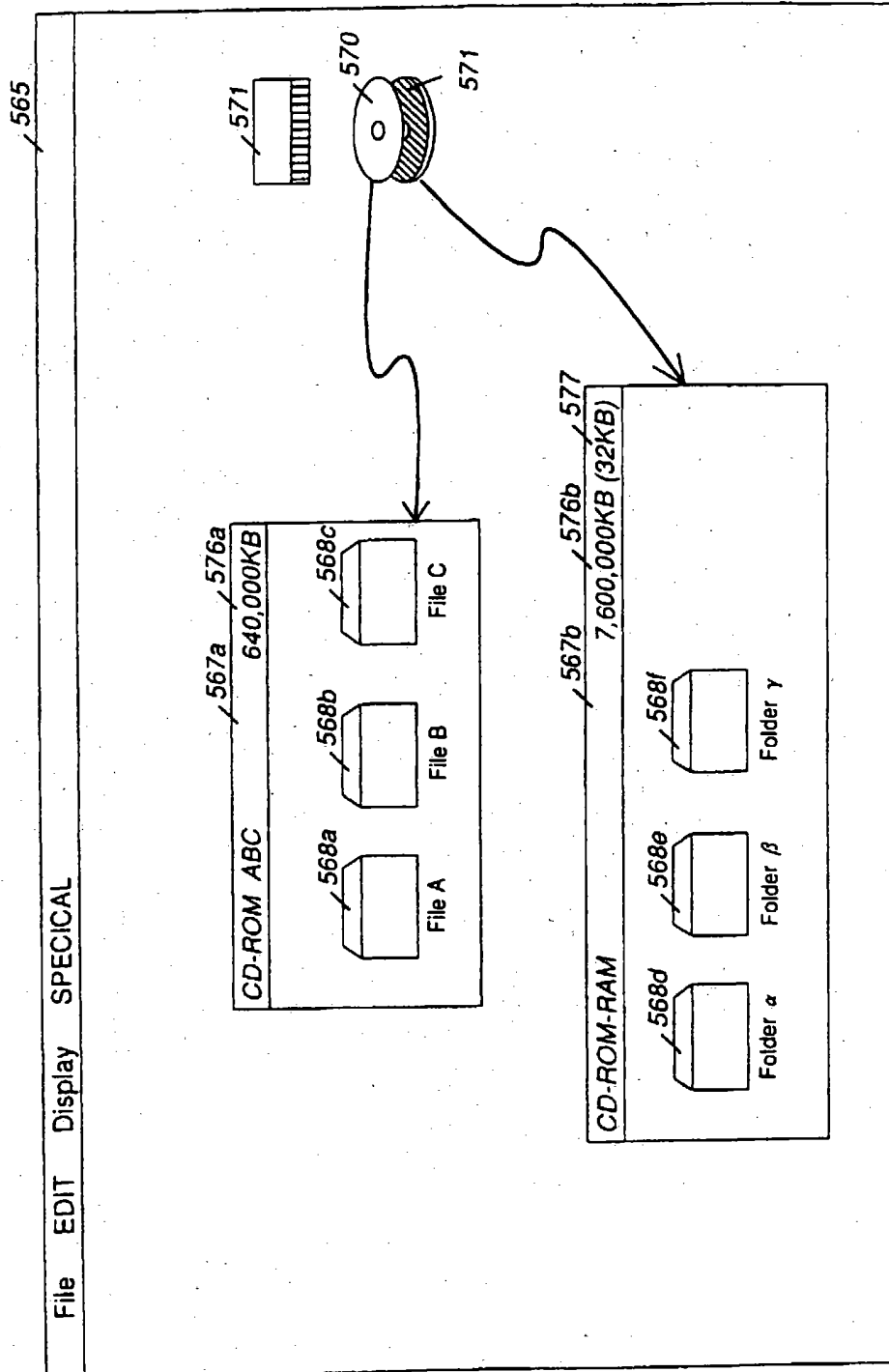


Fig. 272

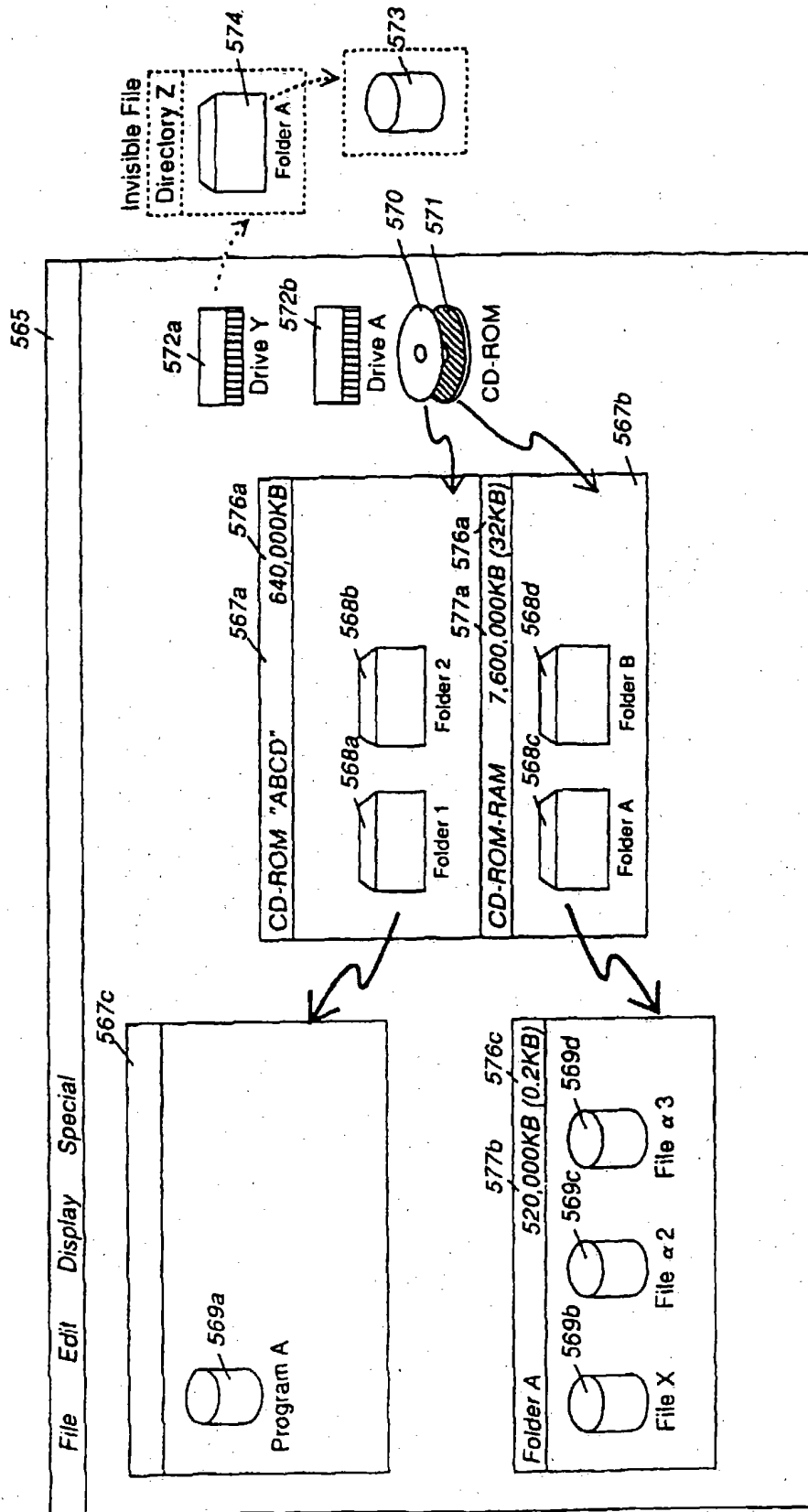


Fig. 273

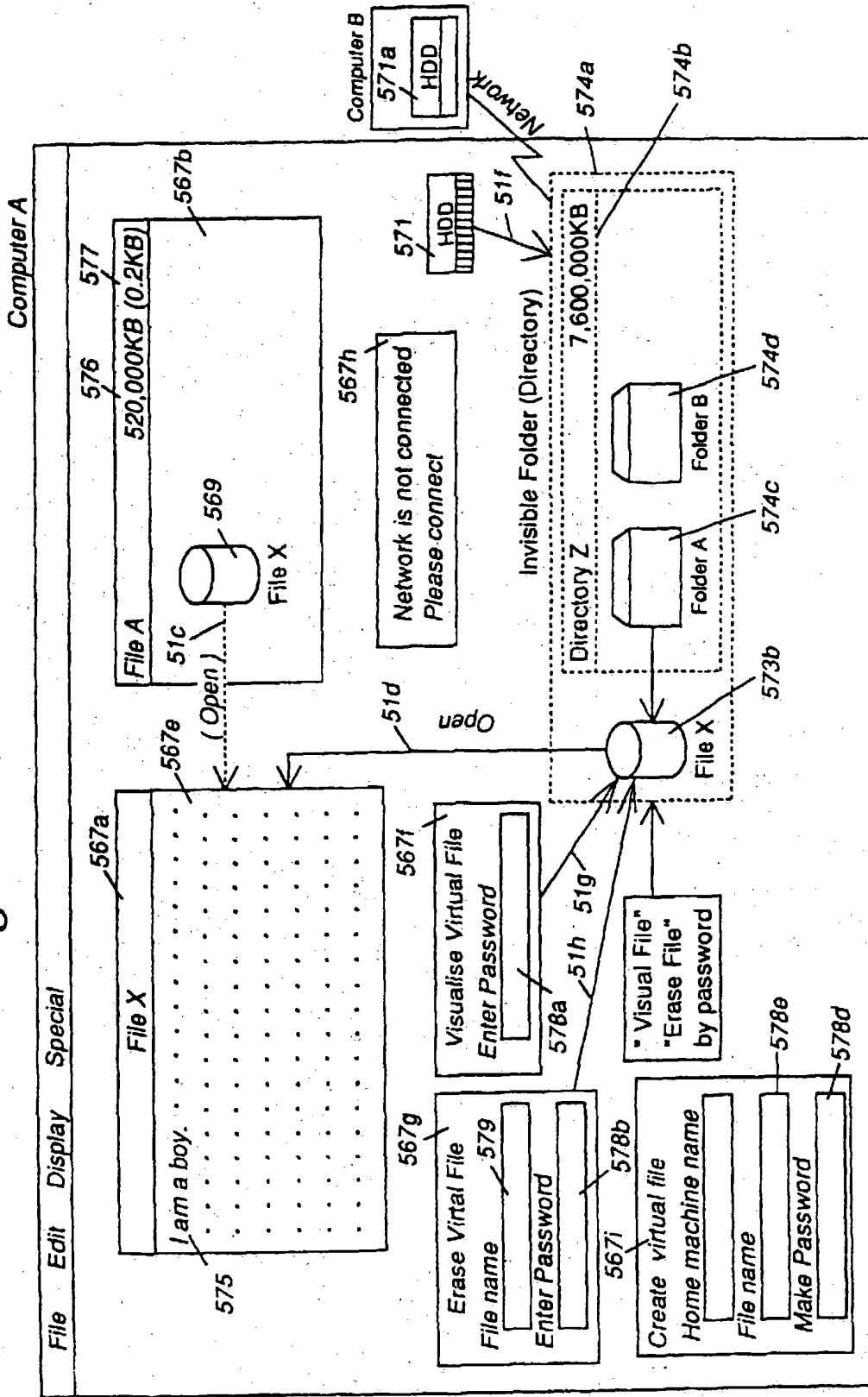




Fig. 274

